

Direct Dial: (703)827-5260

STATISTICS

No. 126-89 September 27, 1989

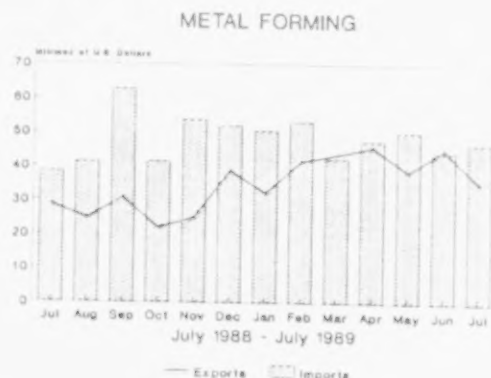
U.S. FOREIGN TRADE -- JULY 1989
U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY
 (Millions of U.S. Dollars)

	July 1989	June 1989	% Change July June	Year to Date '89	Year to Date '88	% Change '88-'89
METAL CUTTING MACHINE TOOLS						
Imports	\$182.6	\$159.6	14.4%	\$1,104.2	\$895.6	23.3%
Exports	\$ 49.2	\$ 41.9	17.4%	\$269.2	\$234.4	14.8%
Balance	-\$133.4	-\$117.7	13.3%	-\$835.0	-\$661.2	26.3%
METAL FORMING						
Imports	\$ 46.9	\$ 44.4	5.6%	\$335.2	\$264.2	26.9%
Exports	\$ 35.3	\$ 45.1	-21.7%	\$281.7	\$184.0	53.1%
Balance	-\$ 11.6	\$ 0.7	-1,757.1%	-\$ 53.5	-\$ 80.2	-33.3%
MACHINE TOOL TOTAL						
Imports	\$229.5	\$204.0	12.5%	\$1,439.5	\$1,159.9	24.1%
Exports	\$ 84.4	\$ 87.0	-3.0%	\$ 550.8	\$418.3	31.7%
Balance	-\$145.1	-\$117.0	23.9%	-\$ 888.7	-\$741.6	19.8%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Imports	\$133.4	\$105.7	26.2%	\$767.0	\$506.4	51.5%
Exports	\$ 19.3	\$ 21.7	-11.1%	\$131.8	\$ 85.7	53.8%
Balance	-\$114.1	-\$ 84.0	35.8%	-\$635.2	-\$420.7	51.0%
OTHER MANUFACTURING TECHNOLOGY						
Imports	\$105.8	\$138.3	-23.5%	\$860.3	NA	NA
Exports	\$104.0	\$100.8	3.2%	\$693.3	NA	NA
Balance	-\$ 1.8	-\$ 37.5	-95.2%	-\$167.0	NA	NA

Note: Numerically controlled machine tools includes both metal cutting and metal forming types, and are included in respective totals.

During July 1989 U.S. exports of metal cutting machine tools were sharply up, while exports of metal forming tools were sharply down compared with June. Imports of both metal cutting and metal forming machines were up. The U.S. balance of trade for machine tools dropped 24% compared with June; the year-to-date deficit is 20% higher than last year.

U.S. MONTHLY TRADE IN MACHINE TOOLS



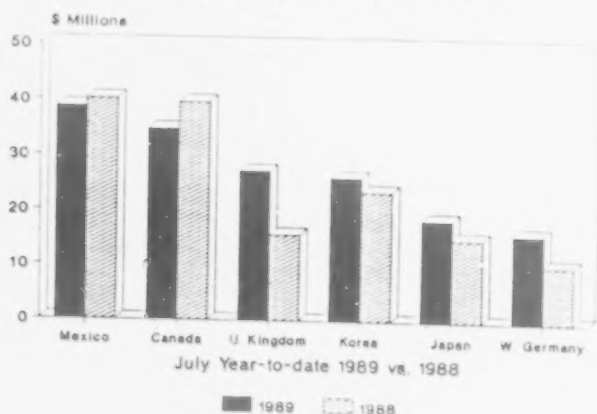
METAL CUTTING

Exports

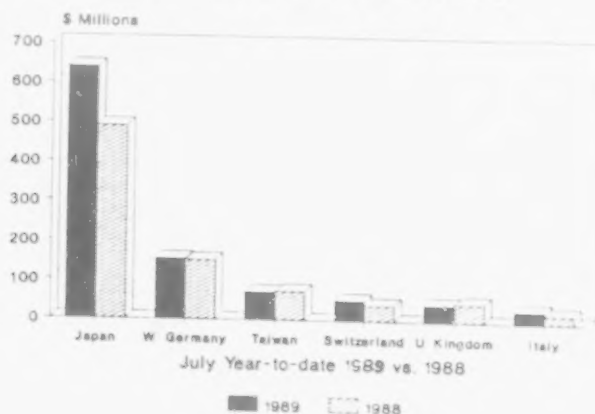
In July, U.S. metal cutting machine tool exports rose 17% over June to \$49.2 million, the highest monthly total since December 1988. Mexico was the largest market at \$10.0 million, up 88% over June. Other strong export markets in July were the United Kingdom (\$6.6 million); Canada (\$4.9 million); Korea (\$4.5 million); and West Germany (\$3.7 million). Sales to India in July reached \$2.8 million. Compared with one year ago, year-to-date export totals are up nearly 200% to Australia (to \$6.6 million); 980% to Indonesia (\$3.2 million); 178% to India (\$7.0 million); and 133% to the Netherlands (\$3.4 million). Exports of \$1.5 million to Thailand were up from \$0.3 million last year at this time.

METAL CUTTING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS



LEADING U.S. IMPORT SOURCES



Imports

U.S. metal cutting imports rose 14% during July to \$182.6 million, the highest monthly total ever. Japan's share of \$103.1 million was 21% higher than July; Japan's year-to-date total of \$639.9 million is 31% higher than one year ago. Compared with June, imports from West Germany were slightly higher in July, to \$26.5 million; Germany's year-to-date total of \$154.6 million is 2% ahead of last year. Compared with June, July imports from Canada rose 361% to \$3.2 million; imports from Italy rose 65% to \$6.0 million.

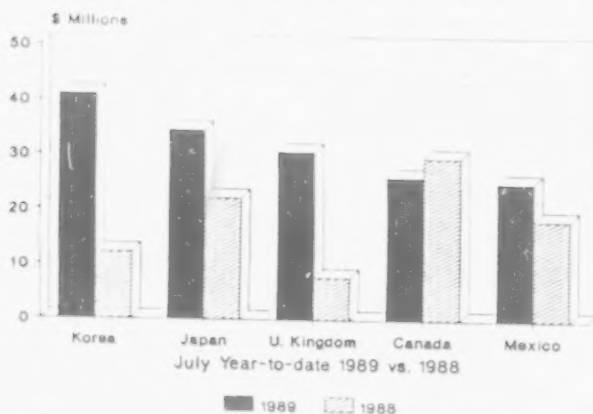
METAL FORMING

Exports

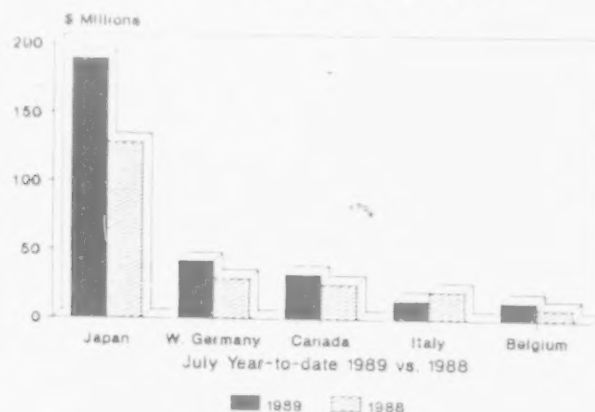
U.S. exports of metal forming machine tools fell sharply during July to \$35.3, down 22% from June; however, year-to-date metal forming exports are up 53% over last year. Canada displaced Korea as the largest forming machine market with \$5.3 million in July, up 158% over June. Korea's \$8.7 million in June fell to \$4.9 million in July, although Korea remains the largest export market year-to-date with \$41.0 million, up 235% over one year ago. Exports to Mexico fell 31% compared with June, to \$2.9 million; the United Kingdom was the third largest market in July, up 50% over June for a year-to-date total of \$30.6 million, almost 300% higher than one year ago.

METAL FORMING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS



LEADING U.S. IMPORT SOURCES



Imports

July metal forming imports rose 6% to \$46.9 million. Japan (\$23.9 million) and West Germany (\$8.6 million) accounted for 69% of the total; West Germany's total was up 52% over June. Imports from Sweden rose from \$0.3 million in June to \$1.5 million in July, although Sweden's year-to-date total (\$5.8 million) is 3% lower this year than last. No imports of metal forming tools were recorded from Brazil in July; Brazil's year-to-date total of \$0.1 million is down from \$6.4 million at this time last year.

Other Manufacturing Technology

Exports

Exports of Other Manufacturing Technology rose 3% in July to \$104.0 million. Exports of extruders for processing thermoplastics fell 58% to \$2.5 million; exports of robots and parts fell 41% to \$4.6 million. Blow molding machines exports rose 51% to \$2.8 million. Exports of machine tool parts and accessories reached \$68.6 million in July, up 25% over June. Major parts markets were Canada (\$14.5, up 46% over June); the United Kingdom (\$11.4 million, up 109%); and West Germany (\$10.1 million, up 55%). Exports of numerical controls were down 17% compared with June, to \$4.3 million.

Canada is the largest year-to-date export market for Other Manufacturing Technology at \$119.5 million; others include the United Kingdom, \$77.0 million; Japan, \$74.4 million; Mexico, \$63.9 million; West Germany, \$56.9 million; and Korea, \$54.3 million.

Imports

U.S. imports of Other Manufacturing Technology fell 24% in July to \$105.8 million. Imports of robots fell 55% to \$12.4 million. Imports of injection molding machinery for thermoplastics rose 14% from June to \$25.0 million, while imports of vacuum-molding and other thermoforming machines fell to \$0.8 million from \$3.3 million in June. Imports of machines and appliances for testing metals fell 66% to \$1.0 million.

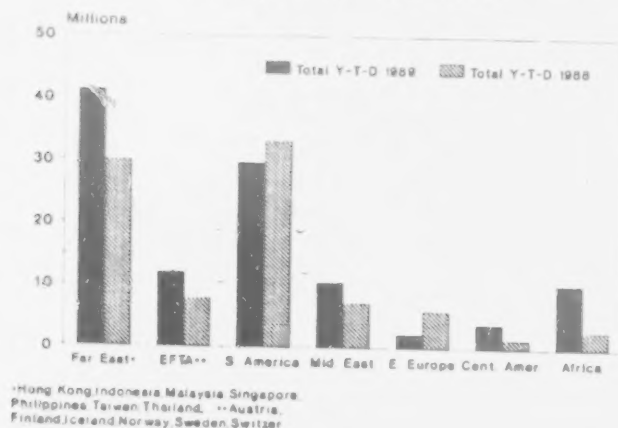
U.S. imports of machine tool parts and accessories totalled \$36.1 million in July, 36% lower than June. Japanese parts imports of \$14.0 million were down 41% from June. West German parts imports were \$8.3 million, down from \$10.4 million in June. Imports of numerical controls rose 67% to \$8.2 million in July compared with June.

MONTHLY FOCUS

U.S. Exports to World Regions

U.S. year-to-date machine tool exports are up for all regions of the world compared with 1988, except Eastern Europe and South America. Exports to Africa are up 255% over a year ago; exports to Central America (Mexico not included) are up 156% over last year. Not shown are exports to the EC, which are up 57% this year over last year to \$143 million.

U.S. Exports to World Regions
Cutting and Forming Machines



U.S. EXPORTS
Metal Cutting Machine Tools - July 89

RELEASED: September 27, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	\$000	UNITS	\$000
8456300000	Electro-discharge machines	312	3074	5	360
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	15	2406	0	0
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	4	867	0	0
100035	Horiz. mach. ctrs., ATC	34	11890	10	2614
100045	Mach. ctrs., n.e.c.	97	7961	13	1576
200010	Unit construction mach. (single station transfer), NC	3	2683	0	0
200090	Unit construction mach. (single station transfer), non-NC	3	884	0	0
300010	Multi-station transfer machines, NC	1	167	0	0
300090	Multi-station transfer machines, non-NC	13	2913	0	0
8458110010	Horiz. lathes, multiple spindle, NC	3	534	1	78
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	106	8672	6	458
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	26	4375	6	975
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	385	0	0
190030	Horiz. engine or toolroom lathes, non-NC	60	1365	11	367
190050	Automatic bar and/or chucking mach., single spindle, non-NC	16	59	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	27	2248	6	346
190090	Horiz. lathes, n.e.c., non-NC	143	1918	30	438
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	4	622	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	1	273	1	273
915070	Vertical lathes, excl. VTL's, n.e.c., NC	7	771	1	95
991050	Vertical turret lathes, non-NC	18	597	8	378
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	47	2589	4	250
8459100000	Way-type unit head machines	11	2646	1	46
210080	Other drilling machines, NC	54	4073	15	1116
290040	Drilling machines, multiple spindle, non-NC	17	951	2	93
290050	Drilling machines, radial, non-NC	19	671	0	0
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	21	731	0	0
290090	Drilling machines, n.e.c., non-NC	62	3360	7	220
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1799	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366	0	0
310070	Boring-milling mach., n.e.c., NC	18	1751	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	99	2002	0	0
400040	Boring machines, vertical, NC	2	1182	0	0
400050	Boring machines, vertical, non-NC	18	322	3	60
400070	Boring machines, n.e.c., NC	1	1350	0	0
400080	Boring machines, n.e.c., non-NC	33	2113	1	16
510080	Milling machines, knee type, NC	20	1309	0	0
590030	Milling machines, knee type, non-NC	30	1637	14	1095
610080	Milling machines, excl. knee type, n.e.c., NC	37	4652	22	1912
690050	Milling machines, profile, dup., or die sinking, non-NC	20	992	2	62
690070	Milling machines, bed type, non-NC	42	6143	15	790
690090	Milling machines, n.e.c., non-NC	228	5156	21	242
700020	Threading or tapping machines, n.e.c., NC	7	175	3	47
700080	Threading or tapping machines, n.e.c., non-NC	170	4832	19	455
8460110080	Flat surface grinding mach., NC	90	6723	19	1149
190010	Flat surface grinding mach., recip.-table type, non-NC	54	801	18	210
190050	Flat surface grinding mach., n.e.c., non-NC	76	5227	1	762
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	189	16123	21	2158
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	31	3322	9	857
290030	Grinding mach., internal cylindrical, non-NC	39	3487	6	1894
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	337	16142	69	7445
310080	Sharpening machines (tool & cutter grinding), NC	24	769	3	94
390050	Sharpening machines (tool & cutter grinding), non-NC	643	5992	147	1292
400060	Honing or lapping machines, NC	2	58	2	58
400080	Honing or lapping machines, non-NC	454	5768	49	1209
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	27	2695	2	45
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	319	8070	46	2329
8461100060	Planing machines, NC	6	3712	4	549
100080	Planing machines, non-NC	100	3722	7	95
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	34	822	9	345
300060	Broaching machines, NC	1	248	0	0
300080	Broaching machines, non-NC	22	1365	0	0
401050	Gear hobbers	29	4257	1	18
401070	Gear shapers	51	4015	39	3481
401090	Gear cutting machines, n.e.c.	47	8690	9	1430
405060	Gear grinding or finishing machines	39	5093	6	280
500050	Sawing or cutting-off machines, NC	25	1252	3	227
500090	Sawing or cutting-off machines, non-NC	594	8069	68	1038
9000000001	Metal cutting machine tools, n.e.c.	145	7308	12	3050
9800000001	Used or rebuilt machine tools	3872	30800	420	3552
9900000001	Machine tools valued at less than \$2,500	21906	9157	2944	1262

Please see notes on last page
of the metal forming section.

Cutting Total
Y-T-D Cutting Total
NC Y-T-D Cutting Total*

31016 269178
833 93206

4141 49191

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	1	107
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	4	380	0	0	0	0	0	0
100045	0	0	0	0	4	442	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	81
110050	0	0	0	0	0	0	0	0	3	450
110090	0	0	0	0	0	0	0	0	0	0
190030	1	20	0	0	0	0	0	0	2	44
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	4	0	0	0	0	0	0	3	176
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	43	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	8	532
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	3	0	0	0	0	0	0	2	6
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	49
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	11	1014	0	0	0	0	0	0	3	81
610080	0	0	0	0	0	0	21	1761	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	7	130
700020	0	0	0	0	0	0	0	0	0	0
700080	7	21	0	0	3	256	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	27	4	151
290010	1	45	0	0	0	0	0	0	5	375
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	7	49
310080	0	0	0	0	0	0	0	0	0	0
390050	2	9	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	6	20	30	362
400080	0	0	1	16	0	0	0	0	6	684
900060	0	0	0	0	0	0	0	0	1	19
900080	0	0	1	8	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	19	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	3	290	0	0	0	0	0	0	2	37
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	24	874
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	13
500090	2	59	0	0	0	0	0	0	13	113
9000000001	0	0	0	0	0	0	0	0	2	6
9800000001	6	31	0	0	0	0	1	48	28	337
9900000001	138	92	0	0	18	12	0	0	1255	221
Month Tot	174	1606	6	404	25	710	30	1899	1410	4896
Y-T-D Tot	625	6647	41	875	157	4766	260	5954	13300	34714
NC YTD Tot*	9	885	4	380	29	3236	30	2248	133	11254

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	China		France		India		Indonesia		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	2	1330	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	14	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	1	74	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	151
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	331	0	0	0	0	0	0	0	0
290010	0	0	1	74	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	1	30	0	0	0	0	0	0
390050	52	336	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	7	89	2	42	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	37	2	94	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	9	73
100080	0	0	0	0	1	19	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	15	2607	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	180
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	51	128	3	4	8	131	4	176	1	5
9900000001	6	9	47	25	0	0	0	0	58	35
Month Tot	114	2244	62	329	26	2799	4	176	70	444
Y-T-O Tot	438	15879	574	8798	171	6957	88	3165	295	8090
NC YTD Tot*	81	10573	43	6237	4	1339	4	1086	7	1146

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	1	107	0	0	0	0	2	81	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	2	760	0	0	0	0	0	0
100045	1	41	2	720	0	0	5	331	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	78	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	3	31	0	0	0	0	5	70	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	95	0	0
991050	0	0	0	0	0	0	2	244	2	32
995090	0	0	0	0	0	0	2	125	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	113	0	0	3	376	0	0
290040	0	0	0	0	0	0	1	19	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	2	102	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	1	11	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	16	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	1	8	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	12	85	1	14
700080	0	0	0	0	0	0	0	0	2	22
8460110080	0	0	0	0	0	0	1	5	0	0
190010	0	0	0	0	0	0	7	717	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	10	334	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	12	379	3	246	0	0	18	6336	0	0
310080	1	45	0	0	0	0	0	0	0	0
390050	41	393	1	3	0	0	5	30	0	0
400060	0	0	0	0	0	0	1	37	0	0
400080	1	4	3	37	0	0	0	0	0	0
900060	1	26	0	0	0	0	0	0	0	0
900080	2	351	1	15	0	0	10	55	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	4	51	1	6
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	3	9	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	4	878	0	0	0	0	1	119	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	1	82	0	0	0	0	0	0	0	0
500090	14	250	1	13	1	20	6	58	7	84
9000000001	0	0	1	1900	1	61	3	17	0	0
9800000001	29	145	2	35	1	21	191	82	1	8
9900000001	5	3	528	314	0	0	209	154	6	5
Month Tot	116	2735	556	4489	3	102	498	10048	20	172
Y-T-D Tot	2101	19403	1248	26023	59	529	4113	38741	373	1375
NC YTD Tot*	63	4690	54	8844	2	69	92	8274	19	1900

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	1	65	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	182	0	0	1	26	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	4	201	0	0	1	50	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	2	32	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210090	1	46	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	24	0	0	0	0	1	85	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	14	0	0	0	0	0	0
700020	0	0	0	0	0	0	1	25	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	12	432
190010	0	0	0	0	1	15	2	13	0	0
190050	0	0	1	762	0	0	0	0	0	0
210080	0	0	0	0	1	30	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	102	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	9	139	0	0	2	11	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	6	508	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	5	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	2	5	0	0
9800000001	11	137	0	0	0	0	0	0	0	0
9900000001	9	14	0	0	20	12	23	15	0	0
Month Tot	24	328	16	1299	25	154	39	739	12	432
Y-T-D Tot	606	5284	213	2750	189	2621	501	5283	81	1550
NC YTD Tot*	25	1973	1	677	14	1543	11	915	17	610

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	2	144	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	1	42	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	4	300	0	0	0	0	0	0	1	78
110050	3	525	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	5	82	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	95	0	0
190090	8	124	0	0	0	0	3	8	7	25
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	1	273	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	2	70	0	0
995090	1	83	0	0	0	0	0	0	0	0
8459100000	1	46	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	48
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	55	0	0	0
690070	0	0	0	0	0	0	1	790	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	2	155	0	0	0	0	0	0	6	18
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	15	182
190050	0	0	0	0	0	0	0	0	0	0
210080	2	713	0	0	0	0	2	573	0	0
290010	1	62	0	0	0	0	1	300	0	0
290030	6	1894	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	21	27	313	0	0
310080	0	0	0	0	0	0	1	19	0	0
390050	0	0	0	0	0	0	10	139	0	0
400060	0	0	0	0	0	0	0	0	1	21
400080	2	19	0	0	0	0	2	21	14	146
900060	0	0	0	0	0	0	0	0	0	0
900080	3	176	0	0	0	0	7	105	4	906
8461100060	4	549	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	18
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	3	253
405060	0	0	0	0	0	0	0	0	6	280
500050	0	0	0	0	0	0	1	132	0	0
500090	9	252	0	0	0	0	3	80	9	98
9000000001	1	45	0	0	0	0	2	880	2	142
9800000001	13	1004	0	0	3	22	4	25	63	474
9900000001	281	133	0	0	0	0	114	35	227	185
Month Tot	349	6577	0	0	4	43	198	3691	360	2874
Y-T-D Tot	1558	27205	6	729	234	4575	1137	16002	2648	20264
NC YTD Tot*	96	14310	0	0	5	283	28	5587	62	5197

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
8454300010 Die casting machines	360	6178	39	446
8462100030 Headers and upsetters, including cold headers	47	10112	2	1204
100050 Forging or die stamping machines, and hammers, n.e.c.	370	12762	47	1096
210080 Bending, folding, straight, or flat. mach., incl presses, NC	226	14668	31	1211
290030 Press brakes, non-NC	26	1145	5	150
290040 Bending rolls, non-NC	45	1382	4	69
290050 Bending, folding, straight, or flat., n.e.c., non-NC	339	12200	44	917
310080 Shearing machines, NC	36	2994	3	138
390050 Shearing machines, non-NC	96	2364	18	392
410080 Punching or notching mach., incl. comb. punch & shear, NC	87	13953	15	2542
490050 Punching or notching mach., incl. comb. punch & sh., non-NC	485	14976	69	1176
910060 Hydraulic presses, NC	54	2847	4	922
910090 Hydraulic presses, non-NC	339	13128	40	1348
990030 Presses, n.e.c., NC	32	4108	3	191
990040 Presses, mechanical, non-NC	105	5100	8	973
990060 Presses, n.e.c., non-NC	365	20131	42	4592
8463100080 Draw benches for bars, tubes, profiles, wire or the like	208	4512	47	1057
200080 Thread rolling machines	29	2510	4	123
300080 Machines for working wire	614	21079	48	1544
900080 Metal forming machine tools, n.e.c.	1484	65519	114	5456
9800000002 Used or rebuilt machine tools	2347	47192	383	9332
9900000002 Machine tools valued at less than \$2,500	3697	2801	496	377
Forming Total			1466	35255
Y-T-D Forming Total	11391	281662		
NC Y-T-D Forming Total	435	38570		
Cutting and Forming Totals:				
Monthly Total			5607	84446
Y-T-D Total	42407	550841		
NC Y-T-D Total*	1268	131776		

Other Manufacturing Technology

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
1000000000 Machine tool parts and accessories	0	405004	0	68599
2710003070 Quenching or cutting oils	0	6800	0	1305
8428900010 Industrial robots for lifting, handling, loading or unload	611	9016	51	1232
8456100000 Laser, light or photon beam for working any material	1917	24839	45	2335
200000 Ultrasonic process for working any material	77	444	2	42
8477106010 Injection molding mach., for rubber or oth. thermosetting	136	12501	6	388
106050 Injection molding mach., for thermoplastics	263	31783	28	2615
200010 Extruders for rubber or other thermosetting materials	158	6041	34	1076
200050 Extruders for processing thermoplastics	616	23843	47	2506
300000 Blow molding machines	245	21022	16	2756
400000 Vacuum-molding and other thermoforming machines	969	10384	110	2127
8479899040 Industrial robots, n.e.c.	1534	19418	266	2106
900040 Industrial robot parts	0	7848	0	1249
8537100030 Numerical controls for controlling machine tools	8051	25327	820	4295
9024100000 Machines and appliances for testing metals	0	46281	0	6193
9031100000 Machines for balancing mechanical parts	0	14240	0	1164
300000 Profile projectors	0	4695	0	392
9032810040 Industrial process control instr., hydraulic or pneumatic	350193	23811	39626	3609

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "NC Y-T-D Total" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	0	0	0	0	6	197
8462100030	0	0	0	0	0	0	0	0	1	193
100050	1	6	1	18	0	0	2	38	5	134
210080	6	121	0	0	0	0	0	0	3	153
290030	0	0	0	0	0	0	0	0	1	15
290040	0	0	0	0	0	0	0	0	3	46
290050	0	0	0	0	0	0	1	18	23	223
310080	0	0	0	0	0	0	0	0	0	0
390050	1	21	0	0	0	0	0	0	3	95
410080	0	0	0	0	0	0	0	0	6	1074
490050	0	0	0	0	0	0	0	0	4	30
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	124	1	43	4	103
990030	0	0	0	0	0	0	0	0	2	61
990040	0	0	0	0	0	0	0	0	2	298
990060	0	0	0	0	0	0	0	0	4	970
8463100080	0	0	0	0	0	0	4	97	13	353
200080	0	0	0	0	0	0	0	0	3	30
300080	1	38	1	16	0	0	2	22	3	121
900080	4	140	0	0	0	0	0	0	7	58
9800000002	3	55	0	0	0	0	4	763	32	1038
9900000002	6	6	0	0	0	0	0	0	124	124
Month Tot	22	387	2	33	1	124	14	981	250	5316
Y-T-D Tot	349	4872	105	650	92	1797	82	3900	1740	26009
NC YTD Tot	18	977	0	0	0	0	9	687	85	8324
C&F Month	196	1994	8	438	26	834	44	2880	1660	10212
C&F Y-T-D	974	11519	146	1525	249	6563	342	9854	15040	60723
C&F NC YTD*	27	1862	4	380	29	3236	39	2935	218	19578

Other Manufacturing Technology

1000000000	0	965	0	152	0	615	0	1647	0	14457
2710003070	0	20	0	0	0	0	0	432	0	117
8428900010	6	15	0	0	0	0	0	0	7	99
8456100000	2	37	0	0	1	22	0	0	2	176
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	21	1976
200010	0	0	0	0	0	0	0	0	2	41
200050	0	0	0	0	0	0	0	0	13	388
300000	3	1122	0	0	0	0	0	0	1	34
400000	0	0	0	0	0	0	8	72	23	452
8479899040	0	0	0	0	0	0	0	0	83	479
900040	0	11	0	0	0	5	0	0	0	430
8537100030	9	53	0	0	8	12	0	0	56	222
9024100000	0	301	0	26	0	80	0	104	0	376
9031100000	0	4	0	0	0	0	0	0	0	161
300000	0	0	0	0	0	0	0	0	0	0
9032810040	440	63	1282	64	428	23	414	21	3439	526

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

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Metal Forming										
	China		France		India		Indonesia		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	1	8	1	6	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	1	11
210080	0	0	0	0	0	0	1	15	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	180
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	1	3	0	0	0	0	0	0
910060	0	0	0	0	1	877	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	1	130	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	1	176	2	14	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	136	0	0	0	0	7	540
900080	0	0	0	0	0	0	0	0	6	153
9800000002	0	0	4	62	0	0	1	10	1	195
9900000002	0	0	8	7	0	0	0	0	0	0
Month Tot	0	0	20	515	4	898	3	31	18	1080
Y-T-D Tot	207	7239	313	5176	79	6396	11	140	157	6243
NC YTD Tot	18	437	4	392	4	1067	1	15	3	2249
C&F Month	114	2244	82	844	30	3697	7	207	88	1524
C&F Y-T-D	645	23118	887	13973	250	13353	99	3305	452	14332
C&F NC YTD*	99	11010	47	6629	8	2406	5	1101	10	3396

Other Manufacturing Technology

1000000000	0	211	0	1230	0	525	0	73	0	1782
2710003070	0	0	0	0	0	0	0	21	0	25
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	8	327	0	0	0	0
200050	0	0	5	169	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	1	777	3	91	0	0	0	0	0	0
8479899040	0	0	0	0	0	0	0	0	0	0
900040	0	2	0	26	0	0	0	0	0	0
8537100030	8	42	86	394	0	0	0	0	31	145
9024100000	0	0	0	121	0	54	0	0	0	107
9031100000	0	0	0	10	0	381	0	0	0	2
300000	0	0	0	0	0	0	0	0	0	93
9032810040	359	198	2628	164	223	33	0	0	3588	240

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	4	119	0	0	0	0	0	0	1	6
8462100030	1	1011	0	0	0	0	0	0	0	0
100050	20	350	1	10	0	0	3	40	0	0
210080	1	32	11	414	0	0	2	148	0	0
290030	3	11	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	23	0	0
290050	0	0	0	0	0	0	6	142	2	43
310080	1	64	0	0	0	0	1	40	0	0
390050	0	0	0	0	1	20	7	116	0	0
410080	0	0	0	0	2	487	0	0	4	756
490050	1	59	2	59	0	0	22	135	0	0
910060	0	0	0	0	0	0	3	44	0	0
910090	0	0	4	458	0	0	20	208	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	3	97	0	0
990060	1	12	1	280	0	0	23	396	0	0
8463100080	0	0	0	0	0	0	17	330	0	0
200080	0	0	1	93	0	0	0	0	0	0
300080	1	14	0	0	6	81	4	29	1	8
900080	7	384	7	856	0	0	22	376	0	0
9800000002	2	30	3	2770	0	0	125	712	176	2758
9900000002	6	7	0	0	0	0	75	55	15	5
Month Tot	48	2093	30	4939	9	588	334	2892	199	3585
Y-T-D Tot	549	34391	709	40964	21	1323	2146	25074	266	5020
NC YTD Tot	87	6866	25	2148	5	905	37	1887	14	1797
C&F Month	164	4828	586	9428	12	690	832	12941	219	3758
C&F Y-T-D	2650	52795	1957	66987	80	1853	6259	63815	639	8395
C&F NC YTD*	150	11556	79	10991	7	974	129	10111	33	3697

Other Manufacturing Technology

1000000000	0	4841	0	2269	0	103	0	4894	0	525
2710003070	0	100	0	27	0	0	0	16	0	11
8428900010	28	276	6	652	0	0	0	0	0	0
8456100000	11	1416	1	19	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	2	96	4	292	0	0
106050	0	0	0	0	0	0	2	118	1	80
200010	6	146	0	0	0	0	16	529	0	0
200050	2	16	0	0	3	61	2	42	0	0
300000	2	48	0	0	0	0	4	452	0	0
400000	15	31	0	0	0	0	5	164	47	402
8479899040	31	214	0	0	0	0	0	0	0	0
900040	0	88	0	410	0	0	0	8	0	0
8537100030	64	326	3	18	2	14	4	25	34	143
9024100000	0	1165	0	290	0	877	0	231	0	25
9031100000	0	5	0	0	0	8	0	132	0	18
300000	0	188	0	35	0	0	0	0	0	0
9032810040	3560	368	252	97	126	6	572	86	6180	337

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	0	0	1	3	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	11	0	0	1	15	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	3	215
910060	0	0	0	0	0	0	1	129	0	0
910090	1	12	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	1	184	0	0
8463100080	0	0	2	55	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	16	0	0
900080	1	60	2	55	1	16	0	0	0	0
9800000002	1	10	1	48	0	0	2	81	0	0
9900000002	18	18	0	0	0	0	0	0	2	3
Month Tot	23	110	5	158	2	31	6	413	5	219
Y-T-D Tot	147	6359	86	2925	35	975	103	6218	59	1908
NC YTD Tot	14	2436	0	0	7	310	8	957	5	414
C&F Month	47	438	21	1457	27	185	45	1152	17	650
C&F Y-T-D	753	11643	299	5675	224	3596	604	11501	140	3458
C&F NC YTD*	39	4408	1	677	21	1854	19	1873	22	1024

Other Manufacturing Technology

1000000000	0	636	0	1028	0	766	0	921	0	201
2710003070	0	59	0	0	0	71	0	298	0	32
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	4	128	1	19	0	0	4	83	0	0
200000	0	0	2	42	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	1	28	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	5	52	0	0	0	0	0	0	0	0
8479899040	0	0	0	0	6	83	4	88	0	0
900040	0	15	0	0	0	115	0	14	0	0
8537100030	3	23	1	3	0	0	12	78	2	10
9024100000	0	37	0	120	0	79	0	107	0	42
9031100000	0	6	0	0	0	0	0	50	0	0
300000	0	4	0	0	0	20	0	4	0	0
9032810040	566	92	1085	72	60	8	2336	126	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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Metal Forming		U.K.		USSR		Venezuela		West Germany		All Other	
		Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010		0	0	0	0	0	0	21	72	4	35
8462100030		0	0	0	0	0	0	0	0	0	0
100050		8	284	0	0	0	0	2	175	2	30
210080		6	316	0	0	0	0	0	0	1	13
290030		1	124	0	0	0	0	0	0	0	0
290040		0	0	0	0	0	0	0	0	0	0
290050		0	0	0	0	0	0	4	257	2	29
310080		0	0	0	0	1	34	0	0	0	0
390050		6	139	0	0	0	0	0	0	0	0
410080		0	0	0	0	0	0	0	0	0	0
490050		22	577	0	0	0	0	13	149	3	35
910060		0	0	0	0	0	0	0	0	0	0
910090		1	243	0	0	0	0	4	44	4	113
990030		0	0	0	0	0	0	0	0	0	0
990040		2	312	0	0	0	0	0	0	1	266
990060		5	1944	0	0	0	0	3	563	1	53
8463100080		0	0	0	0	0	0	7	139	4	83
200080		0	0	0	0	0	0	0	0	0	0
300080		11	322	0	0	0	0	4	180	1	22
900080		2	62	0	0	3	231	7	70	45	2995
9800000002		8	106	0	0	3	10	0	0	17	683
9900000002		101	34	0	0	0	0	39	30	102	88
Month Tot		173	4464	0	0	7	274	104	1678	187	4444
Y-T-D Tot		887	30576	2	108	144	6026	572	13795	2530	43577
NC YTD Tot		48	2513	2	108	3	89	3	276	35	3715
C&F Month		522	11041	0	0	11	317	302	5369	547	7317
C&F Y-T-D		2445	57781	8	837	378	10601	1709	29797	5178	63841
C&F NC YTD*		144	16824	2	108	8	372	31	5863	97	8912

Other Manufacturing Technology

1000000000	0	11387	0	3	0	1391	0	10075	0	7902
2710003070	0	13	0	0	0	0	0	0	0	63
8428900010	1	140	0	0	0	0	1	10	2	40
8456100000	0	0	1	25	0	0	0	0	18	411
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	2	211	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	1	155	1	75
200050	3	47	0	0	0	0	1	21	1	13
300000	1	540	0	0	0	0	10	242	8	1513
400000	2	81	0	0	0	0	2	264	3	297
8479899040	32	582	0	0	2	9	90	544	18	107
900040	0	36	0	0	0	0	0	35	0	6
8537100030	165	1365	0	0	1	4	243	1022	88	395
9024100000	0	790	0	0	0	18	0	532	0	715
9031100000	0	10	0	0	0	0	0	101	0	276
300000	0	16	0	0	0	0	0	0	0	32
9032810040	4516	438	0	0	134	37	2646	168	4792	442

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	1	146	0	0	1	146
Denmark	0	0	2	35	2	35
East Germany	0	0	0	0	0	0
Finland	2	8	0	0	2	8
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	0	0	3	727	3	727
Luxembourg	0	0	0	0	0	0
Norway	1	13	0	0	1	13
Poland	1	30	0	0	1	30
Portugal	2	44	0	0	2	44
Romania	0	0	0	0	0	0
Sweden	2	42	71	74	73	116
Turkey	2	4	0	0	2	4
Yugoslavia	0	0	1	53	1	53
Oth Europe	0	0	0	0	0	0
TOTAL	782	14069	601	12557	1383	26625
=====						
NORTH AND CENTRAL AMERICA						
Bahamas	31	22	0	0	31	22
Barbados	1	3	1	15	2	18
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	1	3	0	0	1	3
Dominican Rep	4	2	11	68	15	71
El Salvador	3	96	0	0	3	96
Guatemala	4	9	1	11	5	20
Haiti	0	0	1	15	1	15
Honduras	2	13	5	33	7	46
Jamaica	45	40	2	8	47	48
Panama	0	0	0	0	0	0
Trinidad	1	3	0	0	1	3
Oth N & C Am.	0	0	0	0	0	0
TOTAL	2000	15135	605	8360	2605	23495
=====						
SOUTH AMERICA						
Argentina	0	0	1	266	1	266
Bolivia	0	0	0	0	0	0
Chile	19	280	2	102	21	382
Colombia	16	101	5	54	21	155
Ecuador	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	2	76	2	76
Uruguay	0	0	0	0	0	0
Oth South Am.	1	3	0	0	1	3
TOTAL	70	2327	31	1754	101	4080
=====						
OCEANIA						
New Zealand	3	26	0	0	3	26
Oth Oceania	0	0	1	13	1	13
TOTAL	177	1632	23	400	200	2032
=====						

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	92	383	30	1565	122	1948
Iran	0	0	0	0	0	0
Iraq	6	280	2	2	8	282
Israel	28	822	2	27	30	849
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	40	232	0	0	40	232
Qatar	0	0	0	0	0	0
Saudi Arabia	2	6	38	936	40	942
Sri Lanka	0	0	0	0	0	0
Syria	1	4	1	5	2	9
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1063	15770	201	11827	1264	27597
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	13	152	1	11	14	163
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	1	77	1	77
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	23	97	3	270	26	367
Sudan	10	7	0	0	10	7
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	3	2	0	0	3	2
TOTAL	49	258	5	358	54	616

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:

Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the
total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS
Metal Cutting Machine Tools -

July 89

RELEASED: September 27, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	\$000	UNITS	\$000
8456301010	Traveling wire electro-discharge machines, NC	454	37276	65	4794
301030	Traveling wire electro-discharge machines, non-NC	140	9334	25	1250
301050	Electro-discharge machines, n.e.c., NC	113	5066	6	485
301070	Electro-discharge machines, n.e.c., non-NC	207	7915	41	1934
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1317	108686	223	18533
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	121	14627	17	1740
100035	Horiz. mach. ctrs., ATC	418	79178	63	11207
100045	Mach. ctrs., n.e.c.	199	26292	32	6759
200010	Unit construction mach. (single station transfer), NC	13	1773	5	746
200090	Unit construction mach. (single station transfer), non-NC	13	549	0	0
300010	Multi-station transfer machines, NC	19	15715	9	6218
300090	Multi-station transfer machines, non-NC	75	18785	11	3183
8458110010	Horiz. lathes, multiple spindle, NC	174	27377	34	4721
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1918	144490	338	22423
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	357	47750	51	5915
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	56	7413	6	916
190030	Horiz. engine or toolroom lathes, non-NC	1701	16813	296	3223
190050	Automatic bar and/or chucking mach., single spindle, non-NC	299	9622	83	2575
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	59	3342	13	180
190090	Horiz. lathes, n.e.c., non-NC	616	8567	77	878
911060	Vertical turret lathes, multiple spindle, NC	16	6702	3	4515
911080	Vertical turret lathes, n.e.c., NC	26	3575	3	292
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	48	4698	5	459
991050	Vertical turret lathes, non-NC	25	2839	1	9
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	448	12371	33	719
8459100000	Way-type unit head machines	8	541	1	118
210080	Other drilling machines, NC	288	24932	61	3909
290040	Drilling machines, multiple spindle, non-NC	48	2447	6	29
290050	Drilling machines, radial, non-NC	253	1637	13	131
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	151	1262	18	225
290090	Drilling machines, n.e.c., non-NC	330	20935	6	909
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1896	1	270
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	92	9176	4	299
310070	Boring-milling mach., n.e.c., NC	48	2721	4	208
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	31	1031	5	325
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	135	4855	33	864
400040	Boring machines, vertical, NC	12	5729	0	0
400050	Boring machines, vertical, non-NC	29	358	5	67
400070	Boring machines, n.e.c., NC	9	2298	0	0
400080	Boring machines, n.e.c., non-NC	162	9776	29	5261
510080	Milling machines, knee type, NC	721	11058	98	970
590030	Milling machines, knee type, non-NC	1946	18789	270	1997
610080	Milling machines, excl. knee type, n.e.c., NC	247	28005	119	7591
690050	Milling machines, profile, dup., or die sinking, non-NC	41	556	30	118
690070	Milling machines, bed type, non-NC	71	2013	13	163
690090	Milling machines, n.e.c., non-NC	362	9089	26	1643
700020	Threading or tapping machines, n.e.c., NC	184	10247	33	1977
700080	Threading or tapping machines, n.e.c., non-NC	164	7323	24	1906
8460110080	Flat surface grinding mach., NC	117	8568	14	2485
190010	Flat surface grinding mach., recip.-table type, non-NC	649	7336	138	1477
190050	Flat surface grinding mach., n.e.c., non-NC	1007	11313	126	1236
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	251	56756	63	13780
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	222	8675	22	1010
290030	Grinding mach., internal cylindrical, non-NC	91	7572	15	1838
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	828	26781	72	2990
310080	Sharpening machines (tool & cutter grinding), NC	166	2003	18	237
390050	Sharpening machines (tool & cutter grinding), non-NC	394	5864	48	674
400060	Honing or lapping machines, NC	29	6013	3	351
400080	Honing or lapping machines, non-NC	106	3095	23	488
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	37	3413	3	629
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	733	20579	104	4084
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	2	58	1	4
200010	Shaping or slotting machines, NC	26	1433	0	0
200090	Shaping or slotting machines, non-NC	36	1354	5	61
300060	Broaching machines, NC	9	2067	0	0
300080	Broaching machines, non-NC	39	3951	0	0
401050	Gear hobbers	66	10409	9	1183
401070	Gear shapers	8	1061	1	12
401090	Gear cutting machines, n.e.c.	258	935	6	388
405060	Gear grinding or finishing machines	126	11938	45	2100
500050	Sawing or cutting-off machines, NC	76	2097	20	236
500090	Sawing or cutting-off machines, non-NC	1087	14919	136	2369
9000000001	Metal cutting machine tools, n.e.c.	436	10936	86	794
9800000001	Used or rebuilt machine tools	3608	23645	122	2332
9900000001	Machine tools valued at less than \$2,500	358363	53332	74276	9192
				77595	182603
Please see notes on last page		Cutting Total			
of the metal forming section.		Y-T-D Cutting Total			
		NC Y-T-D Cutting Total			
		382941	1104215		
		7612	711878		

U.S. IMPORTS
Metal Cutting Machine Tools - July 89

	Belgium		Brazil		Canada		France		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301010	0	0	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	2	172	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	50
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	1456	0	0	1	707
8458110010	0	0	0	0	0	0	0	0	0	447
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	2	110	0	0
110090	0	0	0	0	0	0	0	0	1	382
190030	0	0	2	54	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	32	178	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	4	15	1	29	0	0	2	13
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	3	0	0	0	0
290040	0	0	0	0	0	0	0	0	6	29
290050	0	0	2	18	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	590	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	70
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	7	83
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	5	67
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	20	0	0	23	161
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	1342	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	10	1	9	5	1188
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	25	0	0
8460110080	0	0	0	0	0	0	1	20	4	882
190010	0	0	0	0	0	0	0	0	16	291
190050	0	0	0	0	0	0	0	0	5	81
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	2	55
290030	0	0	0	0	0	0	0	0	1	174
290050	0	0	0	0	4	47	4	49	7	222
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	18	0	0	2	13
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	36	1	4	1	10	0	0	14	342
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	147
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	5	2
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	20	153	0	0	1	3
9000000001	1	4	0	0	1	6	74	269	1	6
9800000001	2	289	0	0	18	114	1	12	1	111
9900000001	10	3	6	13	26	26	39	28	3175	481
Month Tot	14	331	47	283	81	3237	66	1284	3289	6007
Y-T-D Tot	83	4410	605	3478	2146	12368	1020	16210	21385	30508
NC YTD Tot	11	383	14	298	13	1832	38	1981	110	10169

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - July 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301010	60	4340	0	0	0	0	0	0	0	0
301030	4	236	0	0	0	0	0	0	0	0
301050	6	485	0	0	0	0	0	0	0	0
301070	25	1216	0	0	0	0	0	0	0	0
8457100015	166	15294	0	0	15	715	1	117	0	0
100025	6	1168	0	0	0	0	0	0	0	0
100035	54	9784	0	0	0	0	0	0	0	0
100045	3	1964	0	0	0	0	0	0	3	758
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	3236	0	0	0	0	0	0	0	0
300090	2	431	0	0	0	0	0	0	0	0
8458110010	24	3215	0	0	0	0	0	0	0	0
110030	301	19814	7	379	0	0	0	0	0	0
110050	47	5693	0	0	0	0	0	0	0	0
110090	0	0	2	204	0	0	0	0	0	0
190030	0	0	20	197	18	176	0	0	0	0
190050	18	1988	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	13	317	3	139	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	3	292	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	330	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	35	8	458	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	118
210080	54	3710	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	39	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	4	316	0	0	0	0	0	0	0	0
310010	1	270	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	1	236	0	0	0	0	0	0	0	0
390050	1	27	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	3165	0	0	0	0	0	0	0	0
510080	7	140	0	0	0	0	0	0	0	0
590030	2	105	0	0	0	0	0	0	0	0
610080	74	5236	0	0	0	0	107	710	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	73	0	0	0	0	0	0	0	0
690090	1	4	0	0	0	0	0	0	0	0
700020	32	1443	0	0	0	0	0	0	0	0
700080	17	1619	0	0	0	0	0	0	0	0
8460110080	1	26	0	0	0	0	0	0	0	0
190010	27	375	0	0	54	565	0	0	0	0
190050	15	46	0	0	0	0	1	55	2	13
210080	33	11146	0	0	0	0	0	0	0	0
290010	1	98	0	0	0	0	0	0	2	103
290030	0	0	0	0	0	0	0	0	1	318
290050	8	746	0	0	0	0	0	0	0	0
310080	1	15	0	0	0	0	0	0	0	0
390050	8	106	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	206	0	0	0	0	0	0	0	0
900060	3	629	0	0	0	0	0	0	8	147
900080	12	392	10	45	0	0	3	229	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	3	198	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	2	26	0	0	0	0	0	0	1	4
500050	10	187	0	0	0	0	0	0	0	0
500090	22	1045	0	0	0	0	0	0	0	0
9000000001	51	158	1	7	0	0	0	0	2	5
9800000001	22	465	0	0	0	0	0	0	1	4
9900000001	7119	1092	287	266	1	1	0	0	215	218
Month Tot	8271	103138	338	1696	88	1457	114	1157	237	1692
Y-T-D Tot	35371	639925	4431	14652	447	8500	1224	11299	1765	7061
NC YTD Tot	4955	538316	110	6768	87	4262	313	3447	6	1464

Please see notes on last page of the metal forming section.

U.S. IMPORTS										
Metal Cutting Machine Tools - July 89										
	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301010	5	453	0	0	0	0	0	0	0	0
301030	8	922	13	91	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	5	389	3	32	0	0	1	202	7	94
8457100015	0	0	12	873	13	864	3	222	11	277
100025	0	0	9	449	2	124	0	0	0	0
100035	0	0	0	0	0	0	8	1384	1	40
100045	2	1357	2	158	0	0	15	2058	6	414
200010	0	0	0	0	0	0	5	746	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	7	2274	0	0
300090	1	109	0	0	0	0	6	740	0	0
8458110010	2	27	1	64	0	0	7	1415	0	0
110030	9	994	17	874	3	303	0	0	1	59
110050	0	0	2	112	0	0	0	0	0	0
110090	0	0	1	91	0	0	2	240	0	0
190030	0	0	76	743	59	602	0	0	121	1452
190050	0	0	51	501	0	0	2	31	12	55
190070	2	91	11	89	0	0	0	0	0	0
190090	0	0	12	92	17	151	0	0	0	0
911060	0	0	0	0	0	0	3	4515	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	4	130	0	0	0	0	0	0	0	0
991050	0	0	1	9	0	0	0	0	0	0
995090	0	0	5	30	3	14	0	0	9	125
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	5	53	1	143	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	9	0	0	0	0	9	65
290070	0	0	0	0	0	0	8	181	10	44
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	4	299
310070	0	0	0	0	0	0	3	138	0	0
390040	0	0	0	0	0	0	3	73	1	16
390050	0	0	24	103	0	0	1	652	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	147	0	0	1	1727	0	0	2	41
510080	0	0	40	350	40	412	0	0	11	69
590030	0	0	127	966	30	145	1	64	3	8
610080	0	0	39	547	0	0	2	111	3	355
690050	0	0	28	110	0	0	2	8	0	0
690070	0	0	11	83	1	8	0	0	0	0
690090	3	244	10	128	2	27	3	33	0	0
700020	0	0	0	0	1	533	0	0	0	0
700080	2	55	1	16	0	0	3	191	0	0
8460110080	0	0	0	0	2	12	6	1545	0	0
190010	0	0	22	61	0	0	19	186	0	0
190050	13	324	79	595	2	33	6	57	3	31
210080	1	187	1	29	0	0	28	2418	0	0
290010	6	623	4	37	0	0	3	46	4	48
290030	2	77	4	34	0	0	5	1207	2	29
290050	12	565	12	64	6	60	10	1220	9	17
310080	9	80	0	0	0	0	6	115	2	27
390050	0	0	0	0	12	70	19	346	3	121
400060	0	0	0	0	0	0	3	351	0	0
400080	0	0	0	0	8	92	1	10	3	28
900060	0	0	0	0	0	0	0	0	0	0
900080	12	1110	6	74	18	113	16	1128	10	602
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	4	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	18	2	29	0	0	0	0	2	14
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	4	838	0	0
401070	1	12	0	0	0	0	0	0	0	0
401090	1	386	0	0	0	0	0	0	0	0
405060	37	1066	0	0	0	0	0	0	5	1005
500050	0	0	0	0	0	0	10	49	0	0
500090	1	3	51	250	5	27	14	609	22	281
9000000001	0	0	0	0	1	32	4	237	10	68
9800000001	20	115	1	1	25	886	21	271	9	56
9900000001	27	31	41167	5686	212	146	519	411	21473	788
Month Tot	187	9514	41846	13379	468	6431	781	26469	21768	5527
Y-T-O Tot	976	50790	233036	70905	4668	42635	7125	154553	68659	37010
NC YTD Tot	137	20661	635	15412	448	19213	529	80929	206	6743

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
8454300010 Die casting machines	2662	26281	21	3305
8462100030 Headers and upsetters, including cold headers	64	6625	5	573
100050 Forging or die stamping machines, and hammers, n.e.c.	980	52609	184	8764
210080 Bending, folding, straight. or flat. mach., incl presses, NC	723	19467	78	3213
290030 Press brakes, non-NC	248	6651	32	787
290040 Bending rolls, non-NC	57	1528	9	59
290050 Bending, folding, straight., or flat., n.e.c., non-NC	680	29562	97	2964
310080 Shearing machines, NC	30	3640	10	1328
390050 Shearing machines, non-NC	455	9153	122	1064
410080 Punching or notching mach., incl. comb. punch & shear, NC	249	24899	67	6112
490050 Punching or notching mach., incl. comb. punch & sh., non-NC	393	9123	44	705
910060 Hydraulic presses, NC	25	2400	1	56
910090 Hydraulic presses, non-NC	242	17740	46	5404
790030 Presses, n.e.c., NC	33	4729	2	6
990040 Presses, mechanical, non-NC	66	23337	0	0
990060 Presses, n.e.c., non-NC	747	44837	54	2992
8463100080 Draw benches for bars, tubes, profiles, wire or the like	31	4703	6	2598
200080 Thread rolling machines	29	1395	8	431
300080 Machines for working wire	333	15258	85	3349
900080 Metal forming machine tools, n.e.c.	491	17700	65	977
9800000002 Used or rebuilt machine tools	500	9331	49	1416
9900000002 Machine tools valued at less than \$2,500	13640	4280	3463	780
Forming Total			4448	46882
Y-T-D Forming Total	22678	335247		
NC Y-T-D Forming Total	1060	55136		
Cutting and Forming Totals:				
Monthly Total			82043	229486
Y-T-D Total	405619	1439462		
NC Y-T-D Total	8672	767014		

Other Manufacturing Technology

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
1000000000 Machine tool parts and accessories	0	377770	0	36078
2710003070 Quenching or cutting oils	0	45	0	3
8428900010 Industrial robots for lifting, handling, loading or unload	1256	28149	340	4223
8456101010 Laser, light or photon beam for working metal, NC	47	6880	0	0
101020 Laser, light or photon beam for working metal, non-NC	24	1869	12	635
105000 Laser, light or photon beam for other materials	1125	3344	62	548
201010 Ultrasonic processes for working metal, NC	5	647	1	227
201050 Ultrasonic processes for working metal, non-NC	11	25	1	3
205000 Ultrasonic processes for working other materials	130	442	0	0
8477106010 Injection molding mach., for rubber or oth. thermosetting	583	57112	157	10713
106050 Injection molding mach., for thermoplastics	1563	160760	222	24954
200010 Extruders for rubber or other thermosetting materials	119	15555	21	1404
200050 Extruders for processing thermoplastics	432	26615	54	3440
300000 Blow molding machines	191	26955	50	4731
400000 Vacuum-molding and other thermoforming machines	177	14018	29	836
8479899040 Industrial robots, n.e.c.	12343	88843	496	8128
900040 Industrial robot parts	0	0	0	0
8537100030 Numerical controls for controlling machine tools	6940	31759	1447	8240
9024100000 Machines and appliances for testing metals	0	8863	0	1034
9031100000 Machines for balancing mechanical parts	0	4374	0	118
300000 Profile projectors	0	3142	0	217
9032810020 Industrial process control instr., hydraulic	104220	1547	15926	131
810060 Industrial process control instr., pneumatic	75872	1602	25525	163

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming										
	Belgium		Brazil		Canada		France		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	4	27	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	1	76
100050	0	0	0	0	16	403	5	3	4	39
210080	6	509	0	0	2	26	1	37	0	0
290030	10	251	0	0	10	292	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	20	942	2	7	27	179
310080	2	87	0	0	0	0	0	0	0	0
390050	9	126	0	0	2	71	0	0	3	11
410080	0	0	0	0	0	0	1	19	6	292
490050	0	0	0	0	3	16	0	0	5	58
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	3	111	0	0	1	5
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	19	830	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	22	1104	0	0	0	0	0	0	14	1605
900080	0	0	0	0	10	385	0	0	6	77
9800000002	22	474	0	0	13	46	0	0	1	455
9900000002	0	0	0	0	1	2	0	0	52	40
Month Tot	71	2550	0	0	103	3151	9	67	120	2837
Y-T-D Tot	382	13297	11	143	3486	32385	90	989	758	13954
NC YTD Tot	37	1380	0	0	13	767	8	219	10	904
C&F Month	85	2882	47	283	184	6388	75	1351	3409	8844
C&F Y-T-D	465	17707	616	3621	5632	44753	1110	17198	22143	44462
C&F NC YTD	48	1763	14	298	26	2599	46	2200	120	11073

Other Manufacturing Technology

1000000000	0	132	0	87	0	1328	0	577	0	1044
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	26	472	0	0	0	0
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	7	611	6	857	16	1517
106050	0	0	0	0	22	3665	0	0	23	1522
200010	0	0	0	0	0	0	7	579	0	0
200050	0	0	0	0	0	0	0	0	1	571
300000	0	0	0	0	1	341	0	0	0	0
400000	0	0	0	0	0	0	1	6	1	2
8479899040	0	0	0	0	39	852	21	256	1	214
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	1	3	0	0	8	105
9024100000	0	0	0	0	0	32	0	0	0	0
9031100000	0	0	0	0	0	2	0	0	0	4
300000	0	0	0	0	0	0	0	0	0	6
9032810020	0	0	0	0	0	0	0	0	0	0
810060	0	0	0	0	0	0	424	3	360	29

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	7	3019	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	49	7540	0	0	3	14	0	0	0	0
210080	56	1774	0	0	0	0	1	50	1	22
290030	4	128	0	0	2	44	1	19	0	0
290040	8	21	0	0	0	0	0	0	0	0
290050	15	929	0	0	0	0	0	0	10	205
310080	2	415	0	0	0	0	0	0	1	71
390050	7	201	0	0	4	61	15	118	0	0
410080	16	1609	0	0	0	0	0	0	0	0
490050	8	199	0	0	0	0	12	129	6	97
910060	1	56	0	0	0	0	0	0	0	0
910090	23	3736	0	0	0	0	0	0	4	1025
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	7	267	0	0	0	0	0	0	1	5
8463100080	5	2439	0	0	0	0	0	0	0	0
200080	5	399	0	0	0	0	1	13	0	0
300080	40	441	0	0	0	0	1	45	0	0
900080	20	216	0	0	0	0	0	0	0	0
9800000002	2	188	0	0	0	0	0	0	2	27
9900000002	252	298	0	0	0	0	87	77	0	0
Month Tot	527	23875	0	0	9	120	118	450	25	1453
Y-T-D Tot	3345	188991	60	175	51	723	429	1742	222	5811
NC YTD Tot	689	31303	0	0	0	0	1	50	6	492
C&F Month	8798	127014	338	1696	97	1577	232	1607	262	3145
C&F Y-T-D	38716	828916	4491	14826	498	9223	1653	13041	1987	12871
C&F NC YTD	5644	569619	110	6768	87	4262	314	3497	12	1956

Other Manufacturing Technology

1000000000	0	13967	0	211	0	718	0	160	0	842
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	82	2203	0	0	0	0	0	0	15	754
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	51	325	0	0	0	0	0	0	0	0
201010	1	227	0	0	0	0	0	0	0	0
201050	1	3	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	73	4089	2	81	0	0	0	0	0	0
106050	64	11394	9	605	0	0	0	0	0	0
200010	2	490	0	0	0	0	0	0	0	0
200050	3	475	0	0	0	0	0	0	0	0
300000	3	1797	0	0	0	0	0	0	0	0
400000	3	675	0	0	0	0	0	0	0	0
8479899040	397	5352	0	0	0	0	0	0	6	327
900040	0	0	0	0	0	0	0	0	0	0
8537100030	1378	8093	0	0	0	0	51	33	0	0
9024100000	0	250	0	0	0	0	0	0	0	0
9031100000	0	16	0	3	0	0	0	0	0	191
300000	0	160	0	0	0	0	0	0	0	0
9032810020	0	0	1180	4	0	0	0	0	0	0
810060	69	18	22000	42	0	0	0	0	146	20

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	9	73	1	186	0	0
8462100030	0	0	0	0	0	0	3	444	1	53
100050	0	0	1	3	10	135	4	437	92	189
210080	2	59	0	0	1	21	3	63	5	653
290030	0	0	0	0	0	0	0	0	5	52
290040	0	0	0	0	0	0	1	38	0	0
290050	0	0	4	52	3	158	8	440	8	52
310080	1	8	0	0	0	0	1	572	3	175
390050	0	0	11	34	54	273	1	10	16	159
410080	1	143	0	0	0	0	39	3488	4	561
490050	0	0	1	97	0	0	9	110	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	2	23	0	0	9	462	4	40
990030	2	6	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	2	64	25	1825	0	0
8463100080	0	0	0	0	0	0	1	159	0	0
200080	0	0	0	0	2	20	0	0	0	0
300080	1	39	0	0	1	7	6	109	0	0
900080	14	214	2	15	9	46	2	6	2	19
9800000002	1	12	0	0	2	13	5	196	1	5
9900000002	556	42	458	157	0	0	25	21	2032	143
Month Tot	578	522	479	380	93	810	143	8565	2173	2101
Y-T-D Tot	1262	9564	6283	5294	589	9180	1096	41791	4614	11208
NC YTD Tot	23	2613	23	565	5	291	179	12366	66	4186
C&F Month	765	10036	42325	13759	561	7241	924	35035	23941	8628
C&F Y-T-D	2238	60264	239319	76199	5257	51815	8221	196345	73273	48218
C&F NC YTD	160	23273	658	15978	453	19504	708	93295	272	10929

Other Manufacturing Technology

1000000000	0	1801	0	2180	0	2306	0	8275	0	2450
2710003070	0	0	0	0	0	0	0	3	0	0
8428900010	1	106	0	0	3	235	213	452	0	0
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	12	635	0	0
105000	1	3	0	0	5	1	2	216	3	3
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205090	0	0	0	0	0	0	0	0	0	0
8477106010	2	218	27	770	4	123	11	1518	9	928
106050	3	641	12	674	2	32	72	5210	15	1211
200010	2	55	0	0	2	113	8	168	0	0
200050	1	20	6	216	29	479	13	1658	1	21
300000	0	0	1	17	0	0	45	2576	0	0
400000	2	115	0	0	0	0	22	38	0	0
8479899040	7	641	0	0	0	0	8	436	17	49
900040	0	0	0	0	0	0	0	0	0	0
8537100030	1	4	0	0	0	0	8	2	0	0
9024100000	0	212	0	0	0	126	0	95	0	128
9031100000	0	0	0	0	0	72	0	13	0	9
300000	0	0	0	0	0	46	0	5	0	0
9032810020	562	20	0	0	500	5	4	25	13680	77
810060	1	1	2396	7	0	0	5	5	124	37

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
EUROPE						
Austria	401	563	23	21	424	584
Bulgaria	0	0	0	0	0	0
Czechoslovakia	8	54	2	24	10	78
Denmark	68	117	16	182	84	299
East Germany	10	1030	0	0	10	1030
Finland	1	385	8	1106	9	1492
Hungary	1	163	0	0	1	163
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	119	335	12	213	131	548
Norway	0	0	0	0	0	0
Poland	23	576	0	0	23	576
Portugal	16	67	12	150	28	217
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	132	1083	1	2	133	1085
Oth Europe	10	239	82	152	92	391
TOTAL	5945	57499	1313	19105	7258	76604
=====						
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	2	14	21	105	23	119
Oth N & C Am.	0	0	0	0	0	0
TOTAL	83	3251	124	3256	207	6507
=====						
SOUTH AMERICA						
Argentina	3	28	0	0	3	28
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	50	311	0	0	50	311
=====						
OCEANIA						
Australia	7	303	0	0	7	303
New Zealand	0	0	1	24	1	24
Oth Oceania	0	0	0	0	0	0
TOTAL	7	303	1	24	8	327
=====						

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
ASIA						
China	20945	990	1960	67	22905	1057
Hong Kong	0	0	1	2	1	2
India	14	75	7	11	21	86
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	6	414	7	33	13	447
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	1	59	0	0	1	59
Oth Asia	0	0	0	0	0	0
TOTAL	71509	121208	2990	24488	74499	145696
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	20	9	20	9
Swaziland	0	0	0	0	0	0
Oth Africa	1	31	0	0	1	31
TOTAL	1	31	20	9	21	40

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:

Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the
total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 -

RELEASED: September 27, 1989

June 89

	UNITS	TOTAL YTD \$000
8456300000 Electro-discharge machines	307	2714
8457100015 Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	15	2406
100025 Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	4	867
100035 Horiz. mach. ctrs., ATC	24	9276
100045 Mach. ctrs., n.e.c.	84	6385
200010 Unit construction mach. (single station transfer), NC	3	2683
200090 Unit construction mach. (single station transfer), non-NC	3	884
300010 Multi-station transfer machines, NC	1	167
300090 Multi-station transfer machines, non-NC	13	2913
8458110010 Horiz. lathes, multiple spindle, NC	2	456
110030 Horiz. lathes, power rating under 18.65 kW (25 HP), NC	100	8213
110050 Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	3400
110090 Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	385
190030 Horiz. engine or toolroom lathes, non-NC	49	997
190050 Automatic bar and/or chucking mach., single spindle, non-NC	16	59
190070 Automatic bar and/or chucking mach., mult. spindle, non-NC	21	1903
190090 Horiz. lathes, n.e.c., non-NC	113	1480
911060 Vertical turret lathes, multiple spindle, NC	0	0
911080 Vertical turret lathes, n.e.c., NC	4	622
915050 Vertical lathes, excl. VTL's, mult. spindle, NC	0	0
915070 Vertical lathes, excl. VTL's, n.e.c., NC	6	676
991050 Vertical turret lathes, non-NC	10	219
995090 Vertical lathes, n.e.c., excl. VTL's, non-NC	43	2338
8459100000 Way-type unit head machines	10	2600
210080 Other drilling machines, NC	39	2957
290040 Drilling machines, multiple spindle, non-NC	15	858
290050 Drilling machines, radial, non-NC	19	671
290070 Drilling, upright, ex. sensitive, turret & deep hole, non-NC	21	731
290090 Drilling machines, n.e.c., non-NC	55	3139
310010 Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1799
310040 Boring-milling mach., horiz. spindle, n.e.c., NC	1	366
310070 Boring-milling mach., n.e.c., NC	18	1751
390040 Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30
390050 Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	99	2002
400040 Boring machines, vertical, NC	2	1182
400050 Boring machines, vertical, non-NC	15	262
400070 Boring machines, n.e.c., NC	1	1350
400080 Boring machines, n.e.c., non-NC	32	2097
510080 Milling machines, knee type, NC	20	1309
590030 Milling machines, knee type, non-NC	16	542
610080 Milling machines, excl. knee type, n.e.c., NC	15	2740
690050 Milling machines, profile, dup., or die sinking, non-NC	18	930
690070 Milling machines, bed type, non-NC	27	5353
690090 Milling machines, n.e.c., non-NC	207	4913
700020 Threading or tapping machines, n.e.c., NC	4	128
700080 Threading or tapping machines, n.e.c., non-NC	151	4377
8460110080 Flat surface grinding mach., NC	71	5574
190010 Flat surface grinding mach., recip.-table type, non-NC	36	591
190050 Flat surface grinding mach., n.e.c., non-NC	75	4465
210080 Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	168	13965
290010 Grinding mach., external cylindrical, (incl. univ.), non-NC	22	2465
290030 Grinding mach., internal cylindrical, non-NC	33	1594
290050 Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	268	8697
310080 Sharpening machines (tool & cutter grinding), NC	21	675
390050 Sharpening machines (tool & cutter grinding), non-NC	496	4700
400060 Honing or lapping machines, NC	0	0
400080 Honing or lapping machines, non-NC	405	4558
900060 Grinding, honing, polishing, & lapping mach., n.e.c., NC	25	2650
900080 Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	273	5741
8461100060 Planing machines, NC	2	3163
100080 Planing machines, non-NC	93	3628
200010 Shaping or slotting machines, NC	0	0
200090 Shaping or slotting machines, non-NC	25	477
300060 Broaching machines, NC	1	248
300080 Broaching machines, non-NC	22	1365
401050 Gear hobbers	28	4239
401070 Gear shapers	12	533
401090 Gear cutting machines, n.e.c.	38	7261
405060 Gear grinding or finishing machines	33	4813
500050 Sawing or cutting-off machines, NC	22	1025
500090 Sawing or cutting-off machines, non-NC	526	7031
9000000001 Metal cutting machine tools, n.e.c.	133	4257
9800000001 Used or rebuilt machine tools	3452	27248
9900000001 Machine tools valued at less than \$2,500	18962	7895

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of the metal forming section.

Y-T-D Cutting Total
NC Y-T-D Cutting Total*

26875 219988
698 78959

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	2	17	3	3	2	4	2	49	25	310
8457100015	0	0	0	0	0	0	0	0	10	1652
100025	0	0	0	0	0	0	0	0	4	867
100035	0	0	0	0	0	0	0	0	5	1071
100045	1	76	0	0	20	1831	0	0	12	1616
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	210
300010	0	0	0	0	0	0	0	0	1	167
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	121	0	0	3	231	0	0	10	856
110050	3	541	0	0	0	0	0	0	5	651
110090	0	0	0	0	0	0	0	0	3	310
190030	0	0	0	0	0	0	0	0	10	147
190050	0	0	0	0	0	0	2	16	0	0
190070	0	0	0	0	0	0	0	0	4	364
190090	5	38	0	0	0	0	0	0	26	382
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	12	0	0	1	133	0	0	7	689
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	45
290040	2	110	0	0	0	0	0	0	6	241
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	8	33
290090	1	9	0	0	0	0	0	0	21	1528
310010	0	0	0	0	0	0	0	0	1	470
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	238
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	11	157
400040	0	0	0	0	1	687	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	43
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	15	300
510080	0	0	0	0	0	0	7	229	4	234
590030	3	50	0	0	0	0	1	29	4	157
610080	0	0	0	0	0	0	1	231	3	143
690050	0	0	0	0	0	0	0	0	4	204
690070	4	1049	0	0	0	0	0	0	14	1594
690090	1	5	0	0	0	0	47	1239	19	475
700020	0	0	0	0	0	0	0	0	2	45
700080	13	348	0	0	5	352	0	0	40	198
8460110080	0	0	0	0	1	44	0	0	3	135
190010	0	0	0	0	0	0	3	24	15	136
190050	1	115	9	203	0	0	7	464	8	376
210080	0	0	0	0	0	0	0	0	34	1232
290010	0	0	0	0	0	0	0	0	9	547
290030	0	0	0	0	0	0	0	0	1	18
290050	4	462	0	0	14	178	0	0	37	1177
310080	0	0	0	0	0	0	0	0	2	40
390050	8	45	0	0	0	0	6	161	102	1071
400060	0	0	0	0	0	0	0	0	0	0
400080	31	216	6	49	27	310	3	32	26	335
900060	3	147	0	0	0	0	0	0	3	77
900080	6	337	1	8	3	14	0	0	29	221
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	28	0	0	1	3	1	5	3	300
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	3	247
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	9	302
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	1	190	0	0
401090	0	0	0	0	2	198	1	59	0	0
405060	0	0	0	0	0	0	0	0	3	71
500050	0	0	0	0	0	0	0	0	10	158
500090	17	241	0	0	1	9	5	152	146	1530
9000000001	1	23	0	0	0	0	0	0	18	170
9800000001	88	868	4	200	1	32	18	1086	559	4118
9900000001	253	182	12	8	50	31	125	91	10590	2157
Y-T-D Tot	451	5041	35	471	132	4056	230	4054	11890	29818
NC YTD Tot*	9	885	0	0	25	2793	8	460	115	10008

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U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	China		France		India		Indonesia		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	1	73	1	4	0	0	23	19
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	6	1647	1	3047	0	0	0	0	1	695
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	635	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	2	456	0	0
110030	20	1618	19	1438	1	162	0	0	0	0
110050	3	650	1	160	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	16	1	71	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	50	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	76	0	0	2	114	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	39
210080	0	0	0	0	0	0	0	0	1	30
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	3	130	0	0
290070	0	0	1	9	0	0	0	0	0	0
290090	1	50	1	9	2	42	0	0	4	315
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	6	619	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	70	1744	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	1350	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	3	222
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	18	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	3	367	0	0	0	0	0	0
8460110080	1	269	0	0	1	30	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	18	313	0	0	0	0	0	0	0	0
210080	31	2178	11	1014	0	0	0	0	0	0
290010	1	125	3	69	1	271	0	0	1	25
290030	0	0	1	34	7	573	0	0	0	0
290050	6	76	0	0	1	110	0	0	4	23
310080	1	26	1	29	0	0	1	35	1	48
390050	87	581	0	0	7	43	2	21	2	659
400060	0	0	0	0	0	0	0	0	0	0
400080	9	199	13	113	3	64	0	0	19	166
900060	9	556	0	0	2	1147	0	0	0	0
900080	1	22	14	106	0	0	1	5	5	38
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	115	0	0	1	130	0	0	2	190
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	20
401050	0	0	1	342	0	0	0	0	3	578
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	7	721	0	0	4	1654
405060	0	0	0	0	0	0	0	0	15	2050
500050	0	0	0	0	0	0	0	0	0	0
500090	7	163	6	280	4	71	0	0	7	113
9000000001	1	5	9	520	0	0	1	596	3	81
9800000001	73	2313	84	640	7	540	0	0	16	607
9900000001	36	31	340	154	97	67	4	3	109	73
Y-T-D Tot	324	13635	512	8469	145	4158	84	2989	225	7646
NC YTD Tot*	78	8913	42	6208	4	1339	4	1086	6	995

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U.S. EXPORTS
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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	196	1583	2	69	0	0	17	187	3	5
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	6	1600	0	0	1	884	0	0
100045	0	0	3	402	0	0	33	1627	0	0
200010	0	0	1	1030	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	121	2	710	0	0	4	704	1	220
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	186	0	0	0	0	2	245	0	0
110050	0	0	0	0	0	0	2	235	0	0
110090	0	0	0	0	0	0	1	75	0	0
190030	0	0	0	0	0	0	9	156	0	0
190050	0	0	0	0	0	0	10	32	0	0
190070	0	0	5	950	0	0	1	19	0	0
190090	5	55	1	4	0	0	51	639	2	8
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	2	483	0	0	2	139	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	388	0	0	0	0	4	288	0	0
991050	0	0	0	0	0	0	1	14	0	0
995090	0	0	0	0	2	181	6	124	0	0
8459100000	0	0	0	0	0	0	7	1772	0	0
210080	8	377	3	318	0	0	13	683	0	0
290040	1	50	0	0	0	0	2	138	0	0
290050	0	0	7	340	0	0	2	15	0	0
290070	0	0	0	0	0	0	1	4	0	0
290090	0	0	2	166	0	0	9	649	0	0
310010	0	0	1	643	0	0	1	107	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	3	239	0	0	1	181	0	0
390040	0	0	1	30	0	0	0	0	0	0
390050	0	0	0	0	0	0	6	30	0	0
400040	0	0	1	496	0	0	0	0	0	0
400050	0	0	0	0	0	0	9	129	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	818	0	0	10	413	0	0
510080	2	547	0	0	2	69	1	71	0	0
590030	0	0	0	0	0	0	3	155	0	0
610080	0	0	2	856	0	0	4	1130	0	0
690050	0	0	0	0	0	0	1	5	0	0
690070	0	0	1	1720	0	0	0	0	0	0
690090	1	36	29	722	0	0	87	1009	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	5	126	3	18	0	0	24	219	0	0
8460110080	2	47	1	145	0	0	6	875	16	1866
190010	1	96	6	75	0	0	6	62	0	0
190050	5	404	0	0	0	0	7	168	0	0
210080	34	2036	11	374	0	0	1	19	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	3	151	0	0	0	0	2	146	0	0
290050	41	1623	1	569	0	0	51	638	17	202
310080	6	223	2	51	0	0	1	28	0	0
390050	16	232	4	24	12	78	33	279	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	5	50	11	144	4	44	15	265	4	45
900060	1	19	1	34	0	0	0	0	0	0
900080	13	565	11	761	0	0	105	2181	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	4	812	4	855	0	0	61	960	1	5
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	9	0	0	13	123	0	0
300060	0	0	1	248	0	0	0	0	0	0
300080	1	11	9	954	0	0	2	78	0	0
401050	0	0	8	1836	0	0	4	807	0	0
401070	0	0	1	19	0	0	1	25	0	0
401090	4	1555	2	962	0	0	6	602	2	105
405060	4	1340	0	0	0	0	2	34	0	0
500050	1	328	0	0	0	0	1	3	0	0
500090	61	870	16	220	0	0	70	969	59	493
9000000001	1	345	2	46	0	0	57	654	2	88
9800000001	63	717	112	2451	1	25	1538	6692	33	35
9900000001	1496	774	411	146	35	31	1308	1007	213	131
Y-T-D Tot	1985	15669	692	21534	56	427	3615	28692	353	3202
NC YTD Tot*	59	4497	38	6917	2	69	74	6589	17	1877

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U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	4	6	3	34	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	2	151	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	142	0	0	0	0	6	636	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	67
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	3	155	0	0	0	0	0	0
190090	0	0	1	14	2	16	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	2	789	0	0
210080	2	83	0	0	1	92	0	0	0	0
290040	1	37	0	0	0	0	0	0	0	0
290050	2	114	0	0	0	0	0	0	0	0
290070	0	0	0	0	2	196	0	0	0	0
290090	0	0	1	58	0	0	0	0	0	0
310010	6	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	5	433	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	87	0	0
510080	2	66	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	640	0	0	0	0	0	0	0	0
690090	0	0	1	131	0	0	3	48	0	0
700020	0	0	0	0	0	0	1	70	0	0
700080	0	0	0	0	3	9	0	0	0	0
8460110080	5	176	0	0	0	0	3	184	0	0
190010	0	0	0	0	0	0	2	41	0	0
190050	1	72	0	0	0	0	1	47	1	155
210080	13	1461	0	0	2	749	0	0	0	0
290010	0	0	0	0	0	0	1	44	0	0
290030	1	15	0	0	0	0	5	195	0	0
290050	3	584	6	108	1	10	27	315	0	0
310080	0	0	0	0	2	71	0	0	0	0
390050	0	0	0	0	21	137	39	258	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	3	40	2	29	25	307	20	241	2	17
900060	0	0	0	0	0	0	0	0	5	178
900080	1	4	1	6	9	81	5	402	1	8
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	10	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	20
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	54	0	0
405060	0	0	0	0	3	65	3	113	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	17	6	78	1	3	7	109	1	24
9000000001	2	208	1	677	2	20	0	0	0	0
9800000001	83	709	3	5	18	52	133	772	41	628
9900000001	458	590	168	183	62	39	201	129	16	21
Y-T-D Tot	582	4956	197	1451	164	2467	462	4544	69	1118
NC YTD Tot*	24	1927	1	677	13	1513	10	890	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	5	48	0	0	0	0	8	14	10	289
8457100015	2	329	0	0	0	0	1	150	2	275
100025	0	0	0	0	0	0	0	0	0	0
100035	1	135	0	0	0	0	0	0	1	46
100045	6	302	0	0	0	0	0	0	9	531
200010	2	1653	0	0	0	0	0	0	0	0
200090	1	86	0	0	0	0	1	588	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	3	523
8458110010	0	0	0	0	0	0	0	0	0	0
110030	29	2025	0	0	0	0	4	554	0	0
110050	4	685	0	0	0	0	0	0	2	478
110090	0	0	0	0	0	0	0	0	0	0
190030	21	481	0	0	0	0	1	6	5	52
190050	0	0	0	0	0	0	0	0	4	12
190070	3	172	0	0	0	0	4	193	0	0
190090	11	269	0	0	0	0	0	0	9	56
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	4	74	0	0	0	0	0	0	5	131
995090	14	302	0	0	1	28	4	334	3	345
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	125	6	641	3	563
290040	0	0	0	0	0	0	1	250	2	32
290050	0	0	0	0	3	12	0	0	2	61
290070	8	485	0	0	0	0	0	0	1	5
290090	0	0	0	0	1	18	0	0	12	297
310010	0	0	0	0	0	0	2	579	0	0
310040	0	0	0	0	0	0	0	0	1	366
310070	0	0	0	0	1	42	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	1	5	0	0	0	0	0	0	11	66
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	2	40	0	0	2	50
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	50	3	429
510080	0	0	0	0	1	58	0	0	1	36
590030	2	43	0	0	0	0	0	0	3	109
610080	0	0	0	0	0	0	0	0	2	158
690050	0	0	0	0	0	0	13	720	0	0
690070	7	350	0	0	0	0	0	0	0	0
690090	1	101	0	0	0	0	2	46	15	1083
700020	0	0	0	0	0	0	1	13	0	0
700080	1	3	0	0	7	2303	7	108	40	325
8460110080	14	948	0	0	0	0	3	250	15	604
190010	0	0	0	0	0	0	0	0	3	158
190050	3	580	0	0	1	12	4	769	9	788
210080	10	2035	0	0	0	0	5	1953	16	915
290010	1	36	0	0	0	0	3	655	2	693
290030	3	132	0	0	0	0	10	329	0	0
290050	25	1888	0	0	0	0	20	255	10	481
310080	0	0	0	0	1	35	0	0	3	89
390050	1	20	0	0	2	51	50	321	104	720
400060	0	0	0	0	0	0	0	0	0	0
400080	7	74	2	31	1	8	113	1207	54	573
900060	0	0	0	0	0	0	0	0	1	492
900080	13	81	0	0	4	13	33	597	17	290
8461100060	2	3163	0	0	0	0	0	0	0	0
100080	0	0	0	0	6	161	2	13	5	50
200010	0	0	0	0	0	0	0	0	0	0
200090	3	40	0	0	1	9	1	31	2	8
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	9	222	1	23	1	411
401070	7	254	0	0	0	0	0	0	2	46
401090	5	470	1	667	0	0	0	0	3	215
405060	1	672	0	0	0	0	0	0	2	466
500050	9	512	0	0	1	24	0	0	0	0
500090	60	1081	3	31	5	81	14	139	28	356
9000000001	5	75	0	0	5	38	9	197	14	514
9800000001	96	402	0	0	140	1232	85	1031	256	2092
9900000001	821	617	0	0	37	22	530	296	1590	1112
Y-T-D Tot	1209	20628	6	729	230	4532	939	12311	2288	17391
NC YTD Tot*	80	11807	0	0	5	283	22	4138	57	4909

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

		TOTAL YTD	
		UNITS	\$000
8454300010	Die casting machines	321	5731
8462100030	Headers and upsetters, including cold headers	45	8908
100050	Forging or die stamping machines, and hammers, n.e.c.	323	11666
210080	Bending, folding, straight, or flat. mach., incl presses, NC	195	13457
290030	Press brakes, non-NC	21	995
290040	Bending rolls, non-NC	41	1314
290050	Bending, folding, straight., or flat., n.e.c., non-NC	295	11283
310080	Shearing machines, NC	33	2856
390050	Shearing machines, non-NC	78	1972
410080	Punching or notching mach., incl. comb. punch & shear, NC	72	11411
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	416	13800
910060	Hydraulic presses, NC	50	1926
910090	Hydraulic presses, non-NC	299	11780
990030	Presses, n.e.c., NC	29	3917
990040	Presses, mechanical, non-NC	97	4127
990060	Presses, n.e.c., non-NC	323	15540
8463100380	Draw benches for bars, tubes, profiles, wire or the like	161	3455
200080	Thread rolling machines	25	2387
300080	Machines for working wire	566	19535
900080	Metal forming machine tools, n.e.c.	1370	60064
9800000002	Used or rebuilt machine tools	1964	37860
9900000002	Machine tools valued at less than \$2,500	3201	2424
	Y-T-D Forming Total	9925	246407
	NC Y-T-D Forming Total	379	33567
	Cutting and Forming Totals:		
	Y-T-D Total	36800	466395
	NC Y-T-D Total*	1077	112525

Other Manufacturing Technology

		TOTAL YTD	
		*UNITS	\$000
1000000000	Machine tool parts and accessories	0	336406
2710003070	Quenching or cutting oils	0	5495
8428900010	Industrial robots for lifting, handling, loading or unload	560	7785
8456100000	Laser, light or photon beam for working any material	1872	22504
200000	Ultrasonic process for working any material	75	401
8477106010	Injection molding mach., for rubber or oth. thermosetting	130	12113
106050	Injection molding mach., for thermoplastics	235	29168
200010	Extruders for rubber or other thermosetting materials	124	4965
200050	Extruders for processing thermoplastics	569	21337
300000	Blow molding machines	229	18266
400000	Vacuum-molding and other thermoforming machines	859	8256
8479899040	Industrial robots, n.e.c.	1268	17312
900040	Industrial robot parts	0	6598
8537100030	Numerical controls for controlling machine tools	7231	21033
9024100000	Machines and appliances for testing metals	0	40088
9031100000	Machines for balancing mechanical parts	0	13076
300000	Profile projectors	0	4303
9032810040	Industrial process control instr., hydraulic or pneumatic	310567	20202

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "NC Y-T-D Total" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - June 89

Metal Forming		Australia		Austria		Belgium		Brazil		Canada	
		Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010		10	42	3	26	0	0	1	34	83	979
8462100030		0	0	0	0	0	0	1	876	6	208
100050		7	273	2	27	3	58	0	0	48	685
210080		7	254	0	0	0	0	5	280	20	678
290030		0	0	0	0	0	0	0	0	5	188
290040		2	34	0	0	0	0	0	0	11	220
290050		2	25	0	0	1	7	0	0	74	2247
310080		0	0	0	0	0	0	0	0	7	639
390050		0	0	0	0	0	0	0	0	23	693
410080		3	417	0	0	0	0	1	83	29	5198
490050		7	102	0	0	0	0	9	111	67	1135
910060		1	77	0	0	0	0	0	0	9	247
910090		3	82	0	0	2	21	0	0	33	1934
990030		1	98	0	0	0	0	3	324	9	274
990040		0	0	0	0	0	0	0	0	7	152
990060		2	12	0	0	1	6	1	10	23	808
8463100080		0	0	0	0	0	0	3	33	4	120
200080		0	0	0	0	0	0	0	0	2	30
300080		5	101	2	49	0	0	12	148	31	821
900080		82	1905	2	408	9	967	10	284	61	728
9800000002		21	907	1	27	31	576	22	736	210	2132
9900000002		174	144	93	79	44	39	0	0	728	577
Y-T-D Tot		327	4485	103	616	91	1673	68	2919	1490	20692
NC YTD Tot		12	856	0	0	0	0	9	687	74	7036
C&F YTD		778	9526	138	1087	223	5729	298	6974	13380	50510
C&F NC YTD*		21	1741	0	0	25	2793	17	1147	189	17044

Other Manufacturing Technology

1000000000	0	5470	0	817	0	3657	0	5618	0	57074
2710003070	0	141	0	0	0	75	0	4	0	846
8428900010	16	47	0	0	0	0	0	0	185	3590
8456100000	4	105	0	0	3	58	0	0	141	2066
200000	0	0	0	0	0	0	0	0	3	137
8477106010	1	73	0	0	2	65	1	71	16	830
106050	1	50	0	0	2	117	5	632	67	9770
200010	0	0	0	0	0	0	2	298	13	375
200050	7	972	0	0	2	480	2	43	174	4927
300000	1	478	0	0	0	0	0	0	16	3095
400000	68	241	0	0	52	443	3	31	195	895
8479899040	7	203	1	3	4	92	0	0	282	4139
900040	0	17	0	0	0	22	0	0	0	1452
8537100030	84	283	112	573	7	56	6	13	351	1311
9024100000	0	460	0	31	0	212	0	216	0	3342
9031100000	0	130	0	3	0	0	0	61	0	3203
300000	0	3	0	0	0	0	0	13	0	98
9032810040	5408	391	1825	93	4739	373	773	68	46210	2461

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - June 89

Metal Forming		China		France		India		Indonesia		Italy	
		Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010		45	1159	14	109	14	159	0	0	6	287
8462100030		0	0	0	0	1	1070	0	0	0	0
100050		3	635	5	344	2	37	0	0	1	185
210080		0	0	2	61	2	123	0	0	2	1162
290030		0	0	0	0	6	289	0	0	0	0
290040		0	0	0	0	0	0	0	0	0	0
290050		0	0	11	362	7	985	0	0	10	131
310080		0	0	0	0	0	0	0	0	0	0
390050		1	9	1	32	1	32	0	0	0	0
410080		2	203	0	0	0	0	0	0	0	0
490050		34	652	10	207	5	479	0	0	0	0
910060		16	233	0	0	0	0	0	0	13	657
910090		0	0	3	27	0	0	1	6	1	38
990030		0	0	1	200	1	67	0	0	1	1088
990040		2	170	20	497	0	0	0	0	0	0
990060		0	0	32	1891	2	11	0	0	1	63
8463100080		0	0	1	12	0	0	0	0	1	27
200080		1	195	1	40	0	0	0	0	0	0
300080		27	681	30	512	3	42	0	0	21	770
900080		0	0	3	81	11	1862	1	29	17	412
9800000002		76	3301	32	214	5	328	6	74	24	325
9900000002		0	0	127	72	15	14	0	0	41	18
Y-T-D Tot		207	7239	293	4660	75	5498	8	109	139	5163
NC YTD Tot		18	437	3	261	3	190	0	0	3	2249
C&F YTD		531	20875	805	13129	220	9656	92	3098	364	12809
C&F NC YTD*		96	9349	45	6469	7	1529	4	1086	9	3245

Other Manufacturing Technology

1000000000	0	4176	0	8755	0	3228	0	135	0	8055
2710003070	0	8	0	17	0	279	0	128	0	60
8428900010	20	204	98	498	0	0	0	0	2	133
8456100000	0	0	32	1010	12	486	0	0	5	247
200000	0	0	0	0	1	25	0	0	0	0
8477106010	0	0	3	265	0	0	0	0	3	416
106050	0	0	1	368	0	0	0	0	4	323
200010	0	0	4	106	2	16	0	0	0	0
200050	16	1816	27	652	0	0	0	0	7	178
300000	1	576	12	1569	3	50	0	0	23	212
400000	22	1432	8	549	4	90	0	0	3	152
8479899040	10	60	98	1669	0	0	0	0	20	267
900040	0	114	0	156	0	0	0	0	0	72
8537100030	151	470	756	1696	13	41	0	0	336	610
9024100000	0	1302	0	650	0	222	0	2	0	987
9031100000	0	36	0	13	0	198	0	4	0	21
300060	0	0	0	5	0	0	0	0	0	5
9032810040	4620	347	13668	876	234	68	2	4	19212	1563

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - June 89

Metal Forming		Japan		Korea		Malaysia		Mexico		Netherlands	
		Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010		2	63	20	501	2	17	15	268	0	0
8462100030		17	2107	5	2468	0	0	5	35	0	0
100050		52	3891	17	388	0	0	40	780	1	31
210080		75	4729	9	1142	0	0	17	773	1	17
290030		2	195	1	49	0	0	7	275	0	0
290040		0	0	0	0	0	0	16	716	0	0
290050		15	1249	4	1056	1	7	51	1498	5	51
310080		3	137	2	52	0	0	2	122	1	40
390050		2	26	0	0	0	0	15	265	1	14
410080		3	1321	3	540	3	419	4	173	7	890
490050		9	190	20	3076	0	0	51	1371	0	0
910060		1	62	0	0	0	0	5	220	1	84
910090		7	1438	11	933	0	0	178	1872	3	48
990030		3	521	0	0	0	0	3	366	0	0
990040		21	636	8	207	1	51	7	336	0	0
990060		22	1303	9	1357	0	0	150	3083	0	0
8463100080		41	1009	5	100	0	0	7	153	0	0
200080		6	274	0	0	0	0	7	1511	0	0
300080		13	363	6	134	0	0	29	419	1	22
900080		101	11793	398	18933	2	11	74	1013	6	55
9800000002		27	919	147	5080	3	231	668	6470	1	150
9900000002		79	72	14	8	0	0	461	462	39	33
R-T-D Tot		501	32298	679	36025	12	736	1812	22182	67	1435
NC YTD Tot		85	6770	14	1734	3	419	31	1654	10	1032
C&F YTD		2486	47967	1371	57559	68	1163	5427	50874	420	4637
C&F NC YTD*		144	11267	52	8651	5	488	105	8243	27	2909

Other Manufacturing Technology

1000000000	0	34974	0	29414	0	1513	0	30411	0	3193
2710003070	0	219	0	128	0	15	0	254	0	33
8428900010	49	488	1	6	0	0	55	2238	0	0
8456100000	1130	7400	1	10	0	0	65	201	4	102
200000	60	31	0	0	0	0	2	23	0	0
8477106010	1	54	8	1969	14	1633	51	3974	0	0
106050	5	635	15	4285	0	0	38	5031	0	0
200010	3	72	7	178	0	0	52	2313	0	0
200050	18	275	39	437	0	0	80	4083	5	146
300000	1	5	20	1659	0	0	88	2335	1	15
400000	106	249	49	415	0	0	64	1287	8	2
8479899040	53	1910	30	1329	1	10	6	103	34	197
900040	0	1057	0	78	0	11	0	288	0	15
8537100030	145	1879	725	678	25	46	214	481	57	339
9024100000	0	10273	0	5640	0	52	0	1114	0	465
9031100000	0	512	0	3655	0	12	0	1825	0	49
300000	0	3413	0	120	0	0	0	7	0	6
9032810040	20519	1688	3559	518	2	7	30707	982	38300	2169

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - June 89

Metal Forming	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	1	2	0	0	1	8	3	46	1	4
8462100030	0	0	0	0	0	0	0	0	6	676
100050	10	301	0	0	0	0	4	60	3	57
210080	0	0	0	0	6	197	3	491	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	11	0	0
290050	20	957	3	96	3	55	3	38	1	5
310080	5	1367	0	0	0	0	0	0	0	0
390050	0	0	26	713	0	0	0	0	0	0
410080	8	833	0	0	1	113	2	233	0	0
490050	1	3	18	473	10	88	29	836	10	144
910060	0	0	0	0	0	0	0	0	2	199
910090	2	41	1	10	1	17	4	405	0	0
990030	1	236	0	0	0	0	3	233	0	0
990040	2	924	0	0	0	0	0	0	0	0
990060	2	18	10	412	0	0	3	449	1	10
8463100080	28	382	0	0	0	0	1	10	5	166
200080	0	0	2	144	0	0	0	0	0	0
300080	1	6	10	358	2	30	5	81	8	201
900080	4	905	6	365	9	436	12	2637	7	168
9800000002	13	242	3	196	0	0	17	268	10	60
9900000002	26	30	2	2	0	0	7	7	0	0
Y-T-D Tot	124	6249	81	2768	33	944	97	5805	54	1689
NC YTD Tot	14	2436	0	0	7	310	8	957	2	199
C&F YTD	706	11205	278	4218	197	3411	559	10349	123	2807
C&F NC YTD*	38	4363	1	677	20	1824	18	1848	7	377

Other Manufacturing Technology

1000000000	0	5842	0	3139	0	4545	0	6774	0	1356
2710003070	0	151	0	204	0	5	0	1186	0	71
8428900010	7	48	0	0	13	16	0	0	0	0
8456100000	2	24	4	72	2	40	29	1716	0	0
200000	0	0	4	116	1	17	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	10	1090	6	484	3	208	24	1538	0	0
200010	0	0	0	0	0	0	2	50	0	0
200050	3	549	0	0	0	0	51	1086	0	0
300000	0	0	1	263	1	12	5	96	5	1126
400000	7	62	0	0	38	248	2	12	1	8
8479899040	18	110	3	53	42	591	59	343	0	0
900040	0	70	0	52	0	24	0	10	0	0
8537100030	80	114	17	63	446	556	110	310	10	61
9024100000	0	1382	0	1901	0	224	0	1332	0	20
9031100000	0	649	0	29	0	33	0	141	0	2
300000	0	16	0	0	0	18	0	145	0	0
9032810040	4527	377	17383	920	758	148	7463	466	1272	66

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - June 89

Metal Forming		U.K.		USSR		Venezuela		West Germany		All Other	
		Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010		20	129	0	0	26	1325	11	22	43	552
8462100030		0	0	0	0	0	0	2	201	2	1269
100050		51	1054	0	0	2	34	2	29	70	2796
210080		20	810	0	0	1	19	1	71	24	2639
290030		0	0	0	0	0	0	0	0	0	0
290040		1	25	0	0	0	0	0	0	10	307
290050		20	801	0	0	9	142	18	865	37	705
310080		12	395	0	0	0	0	0	0	1	104
390050		2	26	0	0	0	0	1	63	5	99
410080		3	745	0	0	1	36	2	205	0	0
490050		32	1413	0	0	2	118	16	142	73	2603
910060		6	97	2	108	0	0	0	0	7	599
910090		6	184	0	0	4	145	3	2055	36	2526
990030		1	150	0	0	0	0	0	0	2	360
990040		20	876	0	0	0	0	0	0	9	278
990060		15	2157	0	0	11	204	19	3466	19	281
8463100080		7	62	0	0	1	12	25	583	31	785
200080		1	19	0	0	0	0	0	0	5	173
300080		219	11217	0	0	22	550	25	1118	94	1912
900080		54	5034	0	0	8	175	59	2582	434	9281
9800000002		23	809	0	0	28	2973	24	537	572	11304
9900000002		201	109	0	0	22	18	259	180	869	561
Y-T-D Tot		714	26112	2	108	137	5752	468	12117	2343	39133
NC YTD Tot		42	2198	2	108	2	55	3	276	34	3703
C&F YTD		1923	46740	8	837	367	10284	1407	24428	4631	56523
C&F NC YTD*		122	14005	2	108	7	338	25	4414	91	8611

Other Manufacturing Technology

1000000000	0	40019	0	212	0	6402	0	23837	0	47790
2710003070	0	60	0	0	0	487	0	72	0	1052
8428900010	5	77	0	0	0	0	78	353	31	87
8456100000	161	1989	7	168	0	0	53	2017	217	4793
200000	4	53	0	0	0	0	0	0	0	0
8477106010	3	179	4	565	2	148	1	650	20	1221
106050	15	1224	0	0	6	689	11	1285	22	1441
200010	0	0	0	0	5	59	26	1299	8	199
200050	22	377	0	0	12	1709	13	549	91	3059
300000	1	24	5	1976	26	472	5	775	14	3518
400000	129	1047	0	0	2	12	9	65	89	1016
8479899040	101	996	0	0	0	0	409	4188	90	1048
900040	0	2414	0	0	0	3	0	559	0	182
8537100030	1958	6729	0	0	133	67	1036	2639	459	2019
9024100000	0	3015	0	149	0	222	0	3318	0	3556
9031100000	0	976	0	0	0	87	0	478	0	959
300000	0	219	0	0	0	0	0	197	0	39
9032810040	25366	1914	0	0	857	392	22740	1438	40423	2875

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 - June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
EUROPE						
Bulgaria	4	145	0	0	4	145
Czechoslovakia	0	0	0	0	0	0
Denmark	9	17	70	547	79	564
East Germany	0	0	0	0	0	0
Finland	280	75	20	269	300	344
Greece	11	327	6	1409	17	1736
Hungary	6	64	0	0	6	64
Iceland	0	0	0	0	0	0
Ireland	26	567	28	2835	54	3403
Luxembourg	0	0	0	0	0	0
Norway	16	106	33	437	49	543
Poland	33	403	6	196	39	598
Portugal	15	54	14	308	29	362
Romania	0	0	0	0	0	0
Sweden	173	1936	52	3905	225	5841
Turkey	16	2018	6	408	22	2426
Yugoslavia	3	65	13	224	16	289
Oth Europe	0	0	2	95	2	95
TOTAL	4364	67204	2241	66230	6605	133435
=====						
NORTH AND CENTRAL AMERICA						
Bahamas	30	26	5	48	35	74
Barbados	5	9	5	10	10	18
Belize	0	0	0	0	0	0
Bermuda	8	211	1	3	9	214
Costa Rica	36	225	12	59	48	285
Dominican Rep	31	281	35	412	66	693
El Salvador	14	284	3	24	17	308
Guatemala	9	35	4	771	13	806
Haiti	0	0	9	5	9	5
Honduras	5	60	6	109	11	169
Jamaica	11	19	10	103	21	123
Panama	8	32	4	65	12	96
Trinidad	10	34	3	42	13	77
Oth N & C Am.	7	93	75	586	82	679
TOTAL	15679	59820	3474	45111	19153	104931
=====						
SOUTH AMERICA						
Argentina	46	1320	379	438	425	1758
Bolivia	0	0	0	0	0	0
Chile	46	543	326	2123	372	2666
Colombia	262	782	711	2057	973	2839
Ecuador	3	8	7	153	10	161
Paraguay	2	6	0	0	2	6
Peru	5	37	31	599	36	636
Uruguay	14	135	0	0	14	135
Oth South Am.	1	96	4	69	5	165
TOTAL	839	11513	1663	14111	2502	25623
=====						
OCEANIA						
New Zealand	17	229	3	41	20	270
Oth Oceania	5	126	4	61	9	187
TOTAL	473	5396	334	4587	807	9983
=====						

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 - June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	575	2464	191	3412	766	5877
Iran	0	0	5	730	5	730
Iraq	14	554	20	1994	34	2547
Israel	29	516	67	2441	96	2957
Jordan	2	12	2	60	4	72
Kuwait	6	79	1	96	7	175
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	6	9	0	0	6	9
Oman	1	12	0	0	1	12
Pakistan	6	685	29	703	35	1388
Philippines	173	527	31	835	204	1362
Qatar	0	0	0	0	0	0
Saudi Arabia	84	586	39	925	123	1511
Sri Lanka	11	17	0	0	11	17
Syria	0	0	0	0	0	0
United Arab Emr	22	222	0	0	22	222
Vietnam	0	0	0	0	0	0
Oth Asia	15	60	47	831	62	891
TOTAL	5343	74774	2189	107674	7532	182448
	=====	=====	=====	=====	=====	=====
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	21	2	26	3	48
Ethiopia	8	43	0	0	8	43
Gabon	0	0	0	0	0	0
Ghana	2	15	0	0	2	15
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	1	16	1	16
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	3	429	1	2	4	432
South Africa	158	758	15	8438	173	9196
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	21	1	21
Zaire	1	2	0	0	1	2
Zambia	0	0	0	0	0	0
Zimbabwe	3	8	1	11	4	19
Oth Africa	1	4	3	180	4	184
TOTAL	177	1281	24	8695	201	9976
	=====	=====	=====	=====	=====	=====

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:

Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the
total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 -

June 89

RELEASED: September 27, 1989

		TOTAL YTD	
		UNITS	\$000
8456301010	Traveling wire electro-discharge machines, NC	389	32482
301030	Traveling wire electro-discharge machines, non-NC	115	8084
301050	Electro-discharge machines, n.e.c., NC	107	4581
301070	Electro-discharge machines, n.e.c., non-NC	166	5981
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1094	90153
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	104	12887
100035	Horiz. mach. ctrs., ATC	355	67971
100045	Mach. ctrs., n.e.c.	167	19533
200010	Unit construction mach. (single station transfer), NC	8	1027
200090	Unit construction mach. (single station transfer), non-NC	13	549
300010	Multi-station transfer machines, NC	10	9498
300090	Multi-station transfer machines, non-NC	64	15602
8458100010	Horiz. lathes, multiple spindle, NC	140	22656
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1580	122067
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	306	41835
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	50	6497
190030	Horiz. engine or toolroom lathes, non-NC	1405	13589
190050	Automatic bar and/or chucking mach., single spindle, non-NC	216	7046
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	46	3161
190090	Horiz. lathes, n.e.c., non-NC	539	7688
911060	Vertical turret lathes, multiple spindle, NC	13	2187
911080	Vertical turret lathes, n.e.c., NC	23	3284
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682
915070	Vertical lathes, excl. VTL's, n.e.c., NC	43	4238
991050	Vertical turret lathes, non-NC	24	2830
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	415	11652
8459100000	Way-type unit head machines	7	423
210080	Other drilling machines, NC	227	21024
290040	Drilling machines, multiple spindle, non-NC	42	2418
290050	Drilling machines, radial, non-NC	240	1505
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	133	1037
290090	Drilling machines, n.e.c., non-NC	324	20026
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1626
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	88	8877
310070	Boring-milling mach., n.e.c., NC	44	2514
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	26	706
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	102	3991
400040	Boring machines, vertical, NC	12	5729
400050	Boring machines, vertical, non-NC	24	291
400070	Boring machines, n.e.c., NC	9	2298
400080	Boring machines, n.e.c., non-NC	133	4515
510080	Milling machines, knee type, NC	623	10088
590030	Milling machines, knee type, non-NC	1676	16792
610080	Milling machines, excl. knee type, n.e.c., NC	128	20414
690050	Milling machines, profile, dup., or die sinking, non-NC	11	438
690070	Milling machines, bed type, non-NC	58	1850
690090	Milling machines, n.e.c., non-NC	336	7446
700020	Threading or tapping machines, n.e.c., NC	151	8270
700080	Threading or tapping machines, n.e.c., non-NC	140	5417
8460110080	Flat surface grinding mach., NC	103	6083
190010	Flat surface grinding mach., recip.-table type, non-NC	511	5859
190050	Flat surface grinding mach., n.e.c., non-NC	881	10077
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	188	42976
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	200	7665
290030	Grinding mach., internal cylindrical, non-NC	76	5735
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	756	23791
310080	Sharpening machines (tool & cutter grinding), NC	148	1766
390050	Sharpening machines (tool & cutter grinding), non-NC	346	5190
400060	Honing or lapping machines, NC	26	5662
400080	Honing or lapping machines, non-NC	83	2607
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	34	2784
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	629	16495
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	1	54
200010	Shaping or slotting machines, NC	26	1433
200090	Shaping or slotting machines, non-NC	31	1294
300060	Broaching machines, NC	9	2067
300080	Broaching machines, non-NC	39	3951
401050	Gear hobbers	57	9226
401070	Gear shapers	7	1049
401090	Gear cutting machines, n.e.c.	252	547
405060	Gear grinding or finishing machines	81	9838
500050	Sawing or cutting-off machines, NC	56	1861
500090	Sawing or cutting-off machines, non-NC	951	12550
9000000001	Metal cutting machine tools, n.e.c.	350	10142
9800000001	Used or rebuilt machine tools	3486	21314
9900000001	Machine tools valued at less than \$2,500	284087	44141

Please see notes on last page
of the metal forming section.Y-T-D Cutting Total
NC Y-T-D Cutting Total305346 921611
6311 589216

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U.S. IMPORTS

Metal Cutting Machine Tools - January 89 -

June 89

	Belgium		Brazil		Canada		France		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301010	2	74	0	0	0	0	0	0	0	0
301030	0	0	0	0	7	205	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	1	2	12	214	1	8
8457100015	0	0	0	0	1	77	3	245	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	48	2258
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	217
300090	0	0	0	0	0	0	0	0	3	1673
8458110010	0	0	0	0	9	565	0	0	2	682
110030	0	0	0	0	1	109	0	0	1	239
110050	0	0	10	59	0	0	5	356	0	0
110090	0	0	3	9	0	0	10	914	0	0
190030	0	0	0	0	0	0	2	128	0	0
190050	0	0	94	722	2	18	0	0	1	7
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	1	3	311	1724	0	0	3	19	7	292
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	1	45
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	8	30	0	0	0	0	2	161
995090	0	0	27	123	0	0	0	0	0	0
8459100000	0	0	0	0	8	119	1	95	23	522
210080	0	0	0	0	0	0	0	0	1	133
290040	0	0	0	0	0	0	0	0	11	1002
290050	0	0	23	169	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	11	51
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	14	481	43	10243	11	470
310040	0	0	1	230	0	0	0	0	0	0
310070	0	0	0	0	1	38	0	0	4	552
390040	0	0	0	0	0	0	0	0	9	668
390050	0	0	0	0	6	108	0	0	4	156
400040	0	0	0	0	0	0	0	0	11	499
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	10	161
400080	0	0	0	0	0	0	0	0	3	37
510080	4	124	0	0	17	187	0	0	43	417
590030	0	0	0	0	1	4	2	5	0	0
610080	0	0	0	0	1	3	26	267	7	2795
690050	0	0	0	0	1	216	10	28	6	931
690070	0	0	0	0	0	0	0	0	1	4
690090	4	747	0	0	0	0	0	0	0	0
700020	5	185	0	0	6	36	1	44	9	42
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	19	210	0	0
190010	0	0	0	0	0	0	0	0	1	11
190050	0	0	3	79	0	0	0	0	34	596
210080	0	0	0	0	18	153	1	8	18	280
290010	0	0	0	0	0	0	1	3	1	317
290030	0	0	0	0	0	0	1	105	1	55
290050	1	5	0	0	0	0	0	0	4	991
310080	0	0	0	0	162	2210	7	144	12	424
390050	0	0	1	6	0	0	0	0	1	19
400060	0	0	0	0	30	127	1	21	10	109
400080	0	0	0	0	3	30	0	0	0	0
900060	0	0	0	0	0	0	0	0	1	144
900080	0	0	0	0	3	13	0	0	11	165
8461100060	0	0	1	5	20	313	27	155	60	1874
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	48	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	2	24
401090	0	0	0	0	1	12	1	5	86	439
405060	0	0	0	0	2	18	0	0	1	5
500050	0	0	0	0	0	0	0	0	0	0
500090	21	158	2	17	0	0	0	0	0	0
9000000001	0	0	0	0	150	1997	10	274	100	543
9800000001	15	2766	0	0	26	795	53	949	8	905
9900000001	16	16	0	0	1196	970	9	56	51	391
			74	22	376	278	706	440	17463	3188

Y-T-D Tot

69

4078

558

3195

2065

9131

954

14926

18096

24501

NC YTD Tot

11

383

14

298

11

487

33

1680

102

8078

Please see notes on last page of the metal forming section.

U.S. IMPORTS Metal Cutting Machine Tools -

	Japan		Korea		Singapore		Spain		Sweden	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301010	353	28816	0	0	0	0	0	0	0	0
301030	57	5022	0	0	0	0	1	24	0	0
301050	57	3889	0	0	0	0	0	0	0	0
301070	44	1421	0	0	0	0	1	23	0	0
8457100015	828	75172	25	1150	55	2949	0	0	0	0
100025	42	9488	1	83	0	0	1	91	0	0
100035	257	49253	10	1091	0	0	0	0	0	0
100045	32	4065	5	235	0	0	1	74	2	684
200010	8	1027	0	0	0	0	0	0	0	0
200090	7	164	0	0	0	0	0	0	2	44
300010	3	3071	0	0	0	0	0	0	0	0
300090	30	11831	0	0	0	0	0	0	0	0
8458110010	111	17115	0	0	0	0	0	0	0	0
110030	1411	114045	41	2286	3	31	0	0	0	0
110050	271	38707	6	244	0	0	1	543	0	0
110090	24	1859	6	783	0	0	0	0	0	0
190030	19	1015	95	1096	78	803	8	280	0	0
190050	64	5001	0	0	0	0	1	13	0	0
190070	1	266	0	0	0	0	0	0	0	0
190090	8	405	10	494	0	0	4	273	0	0
911060	11	2060	1	83	0	0	0	0	0	0
911080	21	2970	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	12	1862	2	101	0	0	1	344	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	13	860	83	3821	0	0	22	520	0	0
8459100000	4	153	0	0	0	0	0	0	0	0
210080	208	19365	0	0	0	0	1	5	0	0
290040	29	1409	0	0	0	0	0	0	0	0
290050	5	167	0	0	0	0	5	44	40	166
290070	10	470	11	48	0	0	13	53	4	12
290090	95	4673	0	0	0	0	80	851	13	41
310010	0	0	0	0	0	0	0	0	0	0
310040	1	273	0	0	0	0	0	0	0	0
310070	3	152	0	0	0	0	1	5	0	0
390040	2	193	0	0	0	0	1	179	0	0
390050	1	1907	0	0	0	0	0	0	0	0
400040	4	4899	0	0	4	163	0	0	0	0
400050	2	88	0	0	0	0	0	0	0	0
400070	6	2261	0	0	0	0	0	0	0	0
400080	8	989	1	30	0	0	0	0	2	12
510080	18	2645	0	0	0	0	303	2102	0	0
590030	22	435	1	8	0	0	346	2361	1	26
610080	28	14434	0	0	10	405	1	51	1	23
690050	3	407	0	0	0	0	0	0	0	0
690070	6	354	0	0	0	0	1	43	1	125
690090	39	1561	1	17	0	0	96	1135	1	38
700020	131	7843	4	131	0	0	0	0	0	0
700080	58	1405	0	0	0	0	5	255	3	26
8460110080	39	3723	0	0	0	0	0	0	0	0
190010	161	2082	0	0	175	2109	0	0	0	0
190050	72	2394	7	23	5	109	0	0	3	10
210080	86	28545	0	0	0	0	0	0	0	0
290010	67	4378	0	0	0	0	0	0	3	157
290030	3	497	0	0	0	0	2	141	0	0
290050	90	10279	0	0	12	135	1	69	13	2203
310080	6	211	0	0	0	0	1	3	0	0
390050	24	268	0	0	0	0	3	12	0	0
400060	12	5147	0	0	0	0	0	0	0	0
400080	12	589	0	0	0	0	0	0	4	44
900060	12	1822	0	0	0	0	1	110	0	0
900080	62	4243	27	176	1	8	4	272	80	521
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	26	1433	0	0	0	0	0	0	0	0
200090	3	236	0	0	13	330	0	0	1	3
300060	9	2067	0	0	0	0	0	0	0	0
300080	3	800	0	0	0	0	0	0	0	0
401050	2	273	9	407	0	0	0	0	0	0
401070	2	351	0	0	0	0	0	0	0	0
401090	24	6	0	0	0	0	0	0	0	0
405060	42	2504	0	0	0	0	0	0	0	0
500050	36	1611	0	0	0	0	0	0	0	0
500090	185	5617	1	9	0	0	14	66	4	83
9000000001	26	611	0	0	0	0	6	144	3	66
9800000001	682	7405	9	123	0	0	1	10	98	61
9900000001	21047	4230	3737	518	3	3	183	43	1249	1023

Y-T-D Tot 27100 536787 4093 12955 359 7044 1110 10142 1528 5369
 NC YTD Tot 4067 449900 101 6185 72 3547 312 3330 3 707
 Please see notes on last page of the metal forming section. Page 3 of 4

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 -

June 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301010	33	3525	0	0	0	0	1	67	0	0
301030	21	2249	28	309	0	0	1	275	0	0
301050	0	0	2	42	38	533	0	0	10	117
301070	36	2430	32	508	8	119	24	1083	7	175
8457100015	0	0	44	2552	100	4752	33	3209	5	47
100025	0	0	15	726	41	2481	0	0	4	17
100035	1	255	3	261	4	466	80	16645	0	0
100045	5	3294	6	416	24	1378	23	5481	21	1650
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	3	124	0	0	0	0
300010	1	208	0	0	0	0	1	4293	2	254
300090	20	2332	0	0	2	129	1	63	0	0
8458110010	2	118	1	36	0	0	24	5039	0	0
110030	8	559	67	3165	10	558	1	162	24	846
110050	0	0	6	335	1	205	6	808	2	71
110090	4	674	2	88	1	37	9	2410	2	517
190030	0	0	429	3305	185	2519	0	0	494	3824
190050	5	893	118	779	0	0	5	254	23	107
190070	12	1710	8	64	14	626	3	423	8	72
190090	1	57	11	104	142	1912	12	1641	29	764
911060	0	0	0	0	1	43	0	0	0	0
911080	0	0	0	0	0	0	1	269	0	0
915050	0	0	0	0	0	0	2	682	0	0
915070	1	64	8	392	5	18	6	1120	6	177
991050	8	1219	0	0	1	74	7	1507	0	0
995090	2	368	25	285	39	1005	26	535	146	3400
8459100000	0	0	0	0	1	101	1	37	0	0
210080	0	0	1	4	0	0	6	647	0	0
290040	5	366	0	0	0	0	6	278	2	365
290050	0	0	86	466	0	0	9	75	61	366
290070	0	0	3	24	2	7	32	188	58	236
290090	5	49	11	172	6	50	43	2971	3	26
310010	0	0	0	0	3	1396	0	0	0	0
310040	0	0	0	0	0	0	62	7701	20	313
310070	3	412	0	0	1	59	22	1064	5	153
390040	0	0	0	0	1	31	7	67	11	79
390050	0	0	49	227	1	99	9	589	25	563
400040	0	0	0	0	3	631	0	0	1	36
400050	0	0	12	42	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	3	852	0	0	16	331	30	1022	13	676
510080	0	0	147	1476	102	3027	9	474	37	229
590030	0	0	839	4952	354	1555	8	3703	71	687
610080	2	2629	59	940	4	121	1	136	5	499
690050	0	0	6	22	0	0	0	0	1	6
690070	0	0	47	407	0	0	2	920	1	3
690090	5	507	45	217	22	213	17	854	90	2035
700020	0	0	10	104	0	0	0	0	1	7
700080	0	0	3	9	10	682	37	2612	5	218
8460110080	4	37	35	394	6	723	10	1115	8	80
190010	0	0	121	494	7	60	3	499	10	20
190050	18	385	612	3994	58	754	11	675	55	1213
210080	30	5187	4	125	10	222	56	8578	0	0
290010	22	1797	2	16	10	147	87	969	7	42
290030	11	371	2	29	1	43	19	3264	34	399
290050	25	2334	42	273	54	749	306	4528	31	437
310080	6	69	99	770	0	8	35	684	0	0
390050	24	655	28	210	53	348	147	2486	25	948
400060	4	91	0	0	1	24	6	371	0	0
400080	6	149	0	0	26	642	30	879	4	160
900060	1	313	1	33	0	0	2	315	3	13
900080	45	1814	31	293	88	948	125	3558	58	2315
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	54	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	9	47	0	0	1	257	2	372
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	29	2373	7	778	0	0
401050	0	0	0	0	0	0	40	8433	4	89
401070	0	0	0	0	0	0	4	675	1	23
401090	88	11	4	4	6	3	42	68	0	0
405060	19	1970	0	0	0	0	12	5097	5	244
500050	0	0	1	7	0	0	12	175	7	69
500090	4	79	172	906	52	173	146	2224	90	404
9000000001	6	443	6	42	47	519	47	4964	122	702
9800000001	20	640	724	636	487	2118	141	5736	53	403
9900000001	273	75	187174	26825	2119	1015	4488	2452	45179	4014

Y-T-D Tot 789 41186 191190 57526 4200 36204 6344 128084 46891 30484

NC YTD Tot 105 17433 511 11867 382 16913 420 63204 167 5203

Please see notes on last page of the metal forming section.

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U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

RELEASED: September 27, 1989

Metal Forming Machine Tools		TOTAL YTD	
		UNITS	\$000
8454300010	Die casting machines	2641	22976
8462100030	Headers and upsetters, including cold headers	59	6053
100050	Forging or die stamping machines, and hammers, n.e.c.	796	43845
210080	Bending, folding, straight. or flat. mach., incl presses, NC	645	16253
290030	Press brakes, non-NC	216	5864
290040	Bending rolls, non-NC	48	1469
290050	Bending, folding, straight., or flat., n.e.c., non-NC	583	26597
310080	Shearing machines, NC	20	2312
390050	Shearing machines, non-NC	333	8089
410080	Punching or notching mach., incl. comb. punch & shear, NC	182	18787
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	349	8417
910060	Hydraulic presses, NC	24	2345
910090	Hydraulic presses, non-NC	196	12336
990030	Presses, n.e.c., NC	31	4724
990040	Presses, mechanical, non-NC	66	23337
990060	Presses, n.e.c., non-NC	693	41846
8463100080	Draw benches for bars, tubes, profiles, wire or the like	25	2105
200080	Thread rolling machines	21	964
300080	Machines for working wire	248	11909
900080	Metal forming machine tools, n.e.c.	426	16722
9800000002	Used or rebuilt machine tools	451	7915
9900000002	Machine tools valued at less than \$2,500	10177	3500
Y-T-D Forming Total		18230	288365
NC Y-T-D Forming Total		902	44421
Cutting and Forming Totals:			
Y-T-D Total		323576	1209976
NC Y-T-D Total		7213	633636

Other Manufacturing Technology		TOTAL YTD	
		UNITS	\$000
1000000000	Machine tool parts and accessories	0	341692
2710003070	Quenching or cutting oils	0	42
8428900010	Industrial robots for lifting, handling, loading or unload	916	23926
101010	Laser, light or photon beam for working metal, NC	47	6880
101020	Laser, light or photon beam for working metal, non-NC	12	1234
105000	Laser, light or photon beam for other materials	1063	2796
201010	Ultrasonic processes for working metal, NC	4	421
201050	Ultrasonic processes for working metal, non-NC	10	22
205000	Ultrasonic processes for working other materials	130	442
8477106010	Injection molding mach., for rubber or oth. thermosetting	426	46399
106050	Injection molding mach., for thermoplastics	1341	135806
200010	Extruders for rubber or other thermosetting materials	98	14151
200050	Extruders for processing thermoplastics	378	23175
300000	Blow molding machines	141	22224
400000	Vacuum-molding and other thermoforming machines	148	13182
8479899040	Industrial robots, n.e.c.	11847	80714
900040	Industrial robot parts	0	0
8537100030	Numerical controls for controlling machine tools	5493	23519
9024100000	Machines and appliances for testing metals	0	7829
9031100000	Machines for balancing mechanical parts	0	4256
300000	Profile projectors	0	2925
9032810020	Industrial process control instr., hydraulic	88294	1416
810060	Industrial process control instr., pneumatic	50347	1439

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	2423	1014	0	0	9	748
8462100030	0	0	0	0	0	0	0	0	5	508
100050	0	0	0	0	135	2398	4	18	5	351
210080	27	733	0	0	8	524	4	56	2	267
290030	69	2210	0	0	73	2406	0	0	0	0
290040	0	0	0	0	3	674	0	0	4	158
290050	1	4	0	0	173	4611	3	49	65	1149
310080	2	51	0	0	0	0	0	0	0	0
390050	51	715	0	0	33	941	7	226	13	715
410080	0	0	0	0	0	0	2	106	2	345
490050	2	608	0	0	21	630	2	59	29	169
910060	0	0	0	0	3	217	0	0	0	0
910090	0	0	0	0	29	933	0	0	10	1015
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	2	67	0	0
990060	59	2708	0	0	215	12064	8	44	35	1805
8463100080	5	503	0	0	2	12	0	0	3	492
200080	0	0	0	0	0	0	1	28	0	0
300080	76	2569	4	132	9	738	2	69	13	1259
900080	0	0	0	0	17	535	15	104	75	1604
9800000002	16	644	0	0	98	1449	6	66	24	409
9900000002	3	2	7	11	141	87	25	29	344	132
Y-T-D Tot	311	10747	11	143	3383	29234	81	922	638	11116
NC YTD Tot	29	784	0	0	11	741	6	163	4	612
C&F Y-T-D	380	14825	569	3338	5448	38366	1035	15847	18734	35617
C&F NC YTD	40	1168	14	298	22	1229	39	1843	106	8690

Other Manufacturing Technology

1000000000	0	2784	0	637	0	74908	0	11518	0	8097
2710003070	0	0	0	0	0	3	0	0	0	0
8428900010	0	0	3	103	121	3333	31	4	33	684
8456101010	0	0	0	0	0	0	2	268	2	789
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	4	379	0	0	4	218
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	7	7
205000	0	0	0	0	100	1	0	0	0	0
8477106010	0	0	0	0	24	3982	25	3201	25	2005
106050	0	0	0	0	165	19440	5	675	98	8679
200010	0	0	1	2	4	46	6	1514	6	374
200050	1	198	0	0	68	1546	1	74	12	2589
300000	0	0	1	103	19	1539	10	3812	12	925
400000	0	0	0	0	10	200	0	0	0	0
8479899040	0	0	0	0	208	1539	110	44	1	1
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	3	11	0	0	182	576
9024100000	0	2	0	0	0	209	0	27	0	273
9031100000	0	0	0	23	0	103	0	28	0	9
300000	0	0	0	0	0	0	0	0	0	16
9032810020	0	0	0	0	45	13	1	8	1	1
810060	0	0	0	0	0	0	1548	66	850	80

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

Metal Forming		Japan		Korea		Singapore		Spain		Sweden	
		Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010		82	17168	1	87	0	0	0	0	0	0
8462100030		48	3971	0	0	0	0	0	0	0	0
100050		292	33028	0	0	1	3	0	0	0	0
210080		506	10692	0	0	0	0	0	0	0	0
290030		20	559	0	0	15	178	10	82	0	0
290040		16	349	0	0	0	0	0	0	19	261
290050		114	11800	0	0	0	0	7	19	55	1106
310080		4	644	0	0	0	0	0	0	0	0
390050		40	1236	2	33	23	262	2	7	6	62
410080		79	10235	0	0	0	0	0	0	1	24
490050		103	3871	1	5	0	0	66	642	25	589
910060		16	1779	0	0	0	0	0	0	2	313
910090		75	5334	2	18	1	138	0	0	6	710
990030		9	4099	0	0	0	0	0	0	0	0
990040		45	22617	0	0	0	0	0	0	2	500
990060		231	21860	0	0	0	0	5	104	34	291
8463100080		0	0	0	0	0	0	0	0	0	0
200080		3	205	0	0	0	0	5	145	0	0
300080		80	4206	0	0	1	21	0	0	2	85
900080		176	8813	0	0	0	0	2	14	11	312
9800000002		91	1944	2	5	0	0	44	146	3	16
9900000002		788	704	52	26	1	1	170	131	30	28
Y-T-D- Tot		2818	165116	60	175	42	603	311	1292	197	4358
NC YTD Tot		614	27450	0	0	0	0	0	0	4	398
C&F Y-T-D		29918	701902	4153	13130	401	7647	1421	11434	1725	9726
C&F NC YTD		4681	477349	101	6185	72	3547	312	3330	7	1105

Other Manufacturing Technology

1000000000	0	95479	0	1439	0	3517	0	2016	0	6325
2710003070	0	23	0	0	0	0	0	2	0	0
8428900010	607	14116	0	0	0	0	0	0	70	2795
8456101010	27	4841	0	0	0	0	0	0	0	0
101020	1	309	0	0	0	0	0	0	0	0
105000	212	561	0	0	0	0	0	0	0	0
201010	4	421	0	0	0	0	0	0	0	0
201050	0	0	1	6	0	0	0	0	1	3
205000	13	361	1	1	0	0	0	0	0	0
8477106010	190	25965	1	79	3	205	0	0	1	4
106050	491	68323	27	1066	6	260	4	32	1	50
200010	21	6338	1	19	0	0	0	0	1	16
200050	43	3564	2	9	0	0	0	0	1	77
300000	31	7424	2	69	0	0	0	0	0	0
400000	25	2227	0	0	0	0	0	0	3	24
8479899040	6475	68542	0	0	1	12	0	0	50	2223
900040	0	0	0	0	0	0	0	0	0	0
8537100030	4096	22051	0	0	0	0	0	0	0	0
9024100000	0	4689	0	0	0	0	0	0	0	0
9031100000	0	2767	0	22	0	0	0	0	0	93
300000	0	1216	0	27	0	0	0	0	0	0
9032810020	61	5	2550	426	0	0	0	0	0	0
810060	412	452	31000	138	5	1	0	0	2847	563

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

Metal Forming	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	12	2178	1	22	79	441	6	876	28	442
8462100030	0	0	3	30	1	364	2	1179	0	0
100050	21	49	13	15	37	1241	124	5500	164	1242
210080	3	126	17	242	3	228	45	2111	29	1212
290030	0	0	1	5	1	61	5	25	22	338
290040	0	0	0	0	2	14	4	13	0	0
290050	9	641	25	1067	19	1983	74	3043	38	1125
310080	2	311	0	0	0	0	6	1161	6	145
390050	2	464	1	3	86	534	42	2403	25	490
410080	9	1953	4	227	1	42	78	4753	6	1102
490050	1	6	32	725	16	325	50	690	1	98
910060	0	0	0	0	0	0	0	0	3	36
910090	9	1465	8	266	9	1416	22	812	25	229
990030	3	8	2	96	0	0	7	218	10	302
990040	1	16	1	70	14	61	1	6	0	0
990060	6	62	16	438	32	365	38	1484	14	620
8463100080	0	0	0	0	0	0	13	1080	2	18
200080	0	0	3	29	0	0	7	549	2	6
300080	3	16	6	111	12	166	35	2179	5	367
900080	15	902	10	146	40	592	55	3451	10	249
9800000002	26	735	9	12	46	489	53	1498	33	501
9900000002	562	111	5652	1409	98	48	286	195	2018	584
Y-T-D Tot	684	9042	5804	4914	496	8370	953	33226	2441	9107
NC YTD Tot	17	2397	23	565	4	270	136	8243	54	2797
C&F Y-T-D	1473	50228	196994	62440	4696	44574	7297	161310	49332	39590
C&F NC YTD	122	19830	534	12432	386	17183	556	71448	221	8000

Other Manufacturing Technology

1000000000	0	20312	0	11821	0	19919	0	64715	0	18207
2710003070	0	0	0	0	0	0	0	14	0	0
8428900010	8	870	1	3	21	351	5	836	16	831
8456101010	11	559	0	0	4	326	1	97	0	0
101020	1	430	0	0	2	120	8	374	0	0
105000	7	30	0	0	93	124	609	1160	134	325
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	1	6
205030	16	78	0	0	0	0	0	0	0	0
8477106010	28	1179	45	2143	4	54	50	6256	30	1327
106050	26	4631	37	1504	13	804	353	19302	115	11039
200010	5	142	9	340	5	1760	36	3415	3	186
200050	19	1171	29	460	47	532	144	12394	11	562
300000	0	0	9	277	0	0	53	7420	4	655
400000	0	0	2	15	23	2496	81	7454	4	766
8479899040	64	2398	1	133	91	241	1237	4421	3609	1161
900040	0	0	0	0	0	0	0	0	0	0
8537100030	1	6	600	3	411	48	195	813	5	11
9024100000	0	228	0	0	0	667	0	956	0	684
9031100000	0	76	0	13	0	74	0	731	0	409
300000	0	135	0	0	0	924	0	564	0	43
9032810020	1207	42	0	0	7328	280	51	39	77050	601
810060	0	0	12860	27	1	1	309	33	515	78

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
EUROPE						
Austria	650	5639	25	525	675	6164
Bulgaria	0	0	0	0	0	0
Czechoslovakia	37	607	0	0	37	607
Denmark	311	1006	16	199	327	1205
East Germany	165	793	1	5	166	798
Finland	839	1238	55	1792	894	3030
Hungary	26	1953	0	0	26	1953
Ireland	34	28	7	24	41	52
Luxembourg	1	12	8	507	9	520
Netherlands	404	3766	140	1884	544	5651
Norway	3	50	6	320	9	371
Poland	92	1299	0	0	92	1299
Portugal	79	254	37	462	116	716
Romania	0	0	0	0	0	0
USSR	1	21	1	4	2	25
Yugoslavia	400	2349	2	438	402	2787
Oth Europe	10	90	149	668	159	758
TOTAL	36142	283596	4118	85903	40260	369499
=====						
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	400	160	158	1062	558	1222
Oth N & C Am.	1	19	0	0	1	19
TOTAL	2466	9311	3541	30296	6007	39607
=====						
SOUTH AMERICA						
Argentina	8	133	2	65	10	198
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	566	3328	13	208	579	3536
=====						
OCEANIA						
Australia	158	1418	5	37	163	1455
New Zealand	50	44	4	281	54	324
Oth Oceania	0	0	0	0	0	0
TOTAL	208	1462	9	318	217	1780
=====						

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
ASIA						
China	42702	6277	1541	198	44243	6474
Hong Kong	310	427	198	21	508	448
India	134	363	9	11	143	373
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	69	2430	47	465	116	2895
Malaysia	0	0	0	0	0	0
Pakistan	0	0	2	1	2	1
Philippines	0	0	12	2	12	2
Thailand	0	0	0	0	0	0
Oth Asia	0	0	1	2	1	2
TOTAL	265957	623807	10534	171506	276491	795313
	=====	=====	=====	=====	=====	=====
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	4	14	11	131	15	145
Swaziland	0	0	4	3	4	3
Oth Africa	3	93	0	0	3	93
TOTAL	7	108	15	134	22	241
	=====	=====	=====	=====	=====	=====

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:

Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the
total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.